

A CMS Energy Company

April 28, 2011

Environmental Services

Mr. Shane Nixon
Department of Environmental Quality
Air Quality Division
120 W. Chapin Street
Cadillac, MI 49601-2158

SUBJECT: FIRST QUARTER 2011 EMISSIONS MONITORING REPORT

Dear Mr. Nixon:

Enclosed is the First Quarter 2011 emissions monitoring report for Boilers No. 1 and No. 2 at the T.E.S. Filer City Station (Renewable Operating Permit No. ROP MI-ROP-N1685-2008a). The report includes all information required under Federal Standards of Performance for New Stationary Sources (40 CFR 60, Subparts A, Da, and Appendix F).

This quarterly report contains the Excess Emissions Reports (EERs) and Summary Reports for Boilers No. 1 and No. 2. The report also includes the results of linearity tests conducted in accordance with 40 CFR Part 75, Appendices A and B (all outlet CEMS other than CO), and cylinder gas audits (CGAs) conducted in accordance with 40 CFR Part 60, Appendix F (inlet CEMS and outlet CO CEMS). The associated Certificates of Analysis for the calibration gases used in the linearity tests and CGAs are also included within this quarterly report.

No construction/demolition (C/D) materials were fired in Boilers No. 1 and No. 2 during the 1st quarter of 2011. In accordance with the currently approved C/D Waste Wood Monitoring Plan, the facility has discontinued submitting a summary of C/D waste wood sampling and inspection activities on a quarterly basis. An annual C/D summary report will be included with the quarterly report submitted for the 4th quarter of 2011.

Please contact me at (517) 788-1467 or Mr. Richard Brown of TES Filer City Station at (231) 723-6573, Extension 114, if you have any questions or require further information concerning the contents of this submittal.

Sincerely,



Jason Prentice
Environmental Planner
Consumers Energy Company

cc: Richard Brown, TES Filer City Station
Karen Kajiya-Mills, MDEQ-AQD
Filer City Compliance File-Q, SA, A File

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MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

**RENEWABLE OPERATING PERMIT
REPORT CERTIFICATION**

Authorized by 1994 P.A. 451, as amended. Failure to provide this information may result in civil and/or criminal penalties.

Reports submitted pursuant to R 336.1213 (Rule 213), subrules (3)(c) and/or (4)(c), of Michigan's Renewable Operating Permit (ROP) program must be certified by a responsible official. Additional information regarding the reports and documentation listed below must be kept on file for at least 5 years, as specified in Rule 213(3)(b)(ii), and be made available to the Department of Environmental Quality, Air Quality Division upon request.

Source Name T.E.S. Filer City Station County Manistee

Source Address P.O. Box 12 / 700 Mee Street City Filer City

AQD Source ID (SRN) N1685 ROP No. MI-ROP-N1685-2008a ROP Section No. N/A

Please check the appropriate box(es):

☐ **Annual Compliance Certification (Pursuant to Rule 213(4)(c))**

Reporting period (provide inclusive dates): From _____ To _____

- ☐ 1. During the entire reporting period, this source was in compliance with **ALL** terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference. The method(s) used to determine compliance is/are the method(s) specified in the ROP.
- ☐ 2. During the entire reporting period this source was in compliance with all terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference, **EXCEPT** for the deviations identified on the enclosed deviation report(s). The method used to determine compliance for each term and condition is the method specified in the ROP, unless otherwise indicated and described on the enclosed deviation report(s).

☐ **Semi-Annual (or More Frequent) Report Certification (Pursuant to Rule 213(3)(c))**

Reporting period (provide inclusive dates): From _____ To _____

- ☐ 1. During the entire reporting period, **ALL** monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred.
- ☐ 2. During the entire reporting period, all monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred, **EXCEPT** for the deviations identified on the enclosed deviation report(s).

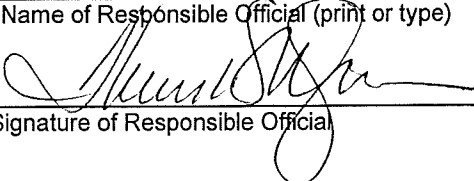
☒ **Other Report Certification**

Reporting period (provide inclusive dates): From 01/01/2011 To 03/31/2011

Additional monitoring reports or other applicable documents required by the ROP are attached as described:

Boilers 1 and 2 Quarterly Report for the 1st Quarter of 2011 (January – March).

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this report and the supporting enclosures are true, accurate and complete

Thomas D. Wiegman	General Manager	231-723-6573
Name of Responsible Official (print or type)	Title	Phone Number
		4/25/2011
Signature of Responsible Official		Date

T.E.S. FILER CITY STATION

CONTINUOUS EMISSION MONITORING QUARTERLY REPORT

SUBPART Da
(NSPS SOURCES)

Year 2011

Report Period Ending: **March 31** **X** **June 30** **Sept. 30** **Dec. 31**

I. GENERAL INFORMATION

1. Source: T.E.S. FILER CITY STATION
2. Address: 700 MEE STREET
FILER CITY, MICHIGAN 49634
3. Plant Phone Number: (231) 723-6573
4. Affected Facility: BOILER #1 X BOILER #2 X
5. Control Device(s): GEESI/DRY FLUE GAS DESULFERIZATION SYSTEM
GEESI/FABRIC FILTER BAGHOUSES
6. Fuel Type: Coal/Wood/TDF/Petroleum Coke/Construction & Demolition (C/D) Waste
(NOTE: Although allowed by permit, C/D wastes were not fired during the quarter)
7. Person Completing Report

(Print) Jason M. Prentice

(Signature) Jason M. Prentiss

(Date) 4/28/11

This is to certify that, to the best of my knowledge, the information provided on these forms is correct and accurate.

8. Person Responsible For Review and Integrity of Report:

(Print) Thomas D. Wiegman

(Signature) 

(Date) 4/25/2011

T.E.S. FILER CITY STATION

II. CONTINUOUS MONITOR OPERATIONAL DATA

	# 1 OPACITY	# 2 OPACITY	INLET #1 SO2	INLET #2 SO2	STACK #1 SO2	STACK #2 SO2	STACK #1 NOx	STACK #2 NOx	STACK #1 CO	STACK #2 CO	INLET # 1 CO2	INLET # 2 CO2	STACK # 1 CO2	STACK # 2 CO2
1. MFG:	Durag, Inc.	Durag, Inc.	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹
2. MODEL NO:	D-R 290	D-R 290	43i	43i	43i	43i	42i	42i	48i	48i	410i	410i	410i	410i
3. SERIAL NO:	425692	425693	0622717879	0622717883	0622717877	0622717880	0623017966	0623017967	0622717887	0622717888	0622717873	0622717875	0622717869	0622717874
4. Basis for Gas Measurement (wet or dry)	N / A	N / A	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET
5. F-Factor Used	N / A	N / A	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	N / A	N / A	N / A	N / A

¹ T. E. I. standards for Thermo Environmental Instruments, Inc.

6. F-Factor Method: Fuel Analyses and Method 19, Equation 19-15 and/or Method 19, Table 19-2. Please note that the fuel factors are unit specific and are based upon the relative amounts (on a heat input basis) of coal, wood, petroleum coke and tire-derived-fuel (TDF) that are fired within a given time period.

7. Ave. Time	6 Minute	6 Minute	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour
8. Zero/Span Values														
ZERO	0 %	0 %	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 %	0 %	0 %	0 %
SPAN	45 %	45 %	2,000 PPM	2,000 PPM	H: 1,500 PPM ¹ L: 200 PPM ¹	H: 1,500 PPM ¹ L: 200 PPM ¹	500 PPM	500 PPM	500 PPM	500 PPM	20.0 %	20.0 %	20.0 %	20.0 %

¹ The span values for the SO₂ Stack CEMS were revised from 2,000 ppm for the high span and 500 ppm for the low span just prior to the September 2008 Part 75 certification tests. The revised high and low span values were determined in accordance with sections 2.1.1.3 and 2.1.1.4 of Appendix A to 40 CFR Part 75.

T.E.S. FILER CITY STATION

II. CONTINUOUS MONITOR OPERATIONAL DATA

	Monitoring System	RATA	7-Day Calibration Drift Test	Cycle-time Test	COMS Field Audit Test	COMS 168-hr Operational Test
9. Date of Last Performance Specification Test Passed	Boiler 1 Gas CEMS	09/21/2010	10/31/2006 (Stk SO ₂ = 09/25/08)	10/18/2006 (Stk SO ₂ = 10/03/08)	N/A	N/A
	Boiler 1 COMS	N/A	N/A	N/A	09/27/2010	10/26/2006
	Boiler 2 Gas CEMS	09/22/2010	10/31/2006 (Stk SO ₂ = 09/25/08)	10/23/2006 (Stk SO ₂ = 10/03/08)	N/A	N/A
	Boiler 2 COMS	N/A	N/A	N/A	09/27/2010	11/01/2006

	# 1 OPACITY	# 2 OPACITY	INLET #1 SO2	INLET #2 SO2	STACK #1 SO2	STACK #2 SO2	STACK #1 NOx	STACK #2 NOx	STACK #1 CO	STACK #2 CO	INLET # 2 CO2	INLET # 2 CO2	STACK #1 CO2	STACK # 2 CO2
10. Modification Since Last PST Date (10-06; 9-08)	NONE	NONE	NONE	NONE	NONE (Changed high & low span values)	NONE (Changed high & low span values)	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

	10 % (6-Min)	10 % (6-Min)	N / A	N / A	0.7 lb/mm Btu (24- Hr)	0.7 lb/mm Btu (24- Hr)	0.6 lb/mm Btu (30- Day)	0.6 lb/mm Btu (30- Day)	0.3 lb/mm Btu (24- Hour)	0.3 lb/mm Btu (24- Hour)	N / A	N / A	N / A	N / A
11. Emission Limits (Averaging Period)					0.5 lb/mm Btu (30- Day)	0.5 lb/mm Btu (30- Day)								

T.E.S. FILER CITY STATION

III. MONITORING AND COMPLIANCE SUMMARY (per 40 CFR 60.51a(h))

	<u>YES</u>	<u>NO</u>	<u>REF.</u>
1. Were the required continuous monitoring systems calibrated, span, and drift checks or other periodic audits performed as specified?	<u>X</u>	<u> </u>	<u> </u>
2. Were the data used to show compliance obtained in accordance with approved methods and procedures of Subpart Da?	<u>X</u>	<u> </u>	<u> </u>
3. Are the data representative of plant performance?	<u>X</u>	<u> </u>	<u> </u>
4. Were the minimum data requirements met? If no, were they not met due to unavoidable errors?	<u>X</u>	<u> </u>	<u> </u>
5. Was compliance with the standards achieved during the reporting period?	<u> </u>	<u>X</u>	<u> </u>

Boiler #1

SO ₂ Stack Limit 0.7 lb/MMBTU 24 Hour	<u> </u>	<u>X</u>	<u> </u>
SO ₂ Stack Limit 0.5 lb/MMBTU 30 Day	<u>X</u>	<u> </u>	<u> </u>
SO ₂ 90% Reduction 30 Day	<u>X</u>	<u> </u>	<u> </u>
NO _x Stack Limit 0.6 lb/MMBTU 30 Day	<u>X</u>	<u> </u>	<u> </u>
Opacity Limit >10% 6 Minute Average	<u> </u>	<u>X</u>	<u> </u>

Boiler #2

SO ₂ Stack Limit 0.7 lb/MMBTU 24 Hour	<u> </u>	<u>X</u>	<u> </u>
SO ₂ Stack Limit 0.5 lb/MMBTU 30 Day	<u>X</u>	<u> </u>	<u> </u>
SO ₂ 90% Reduction 30 Day	<u>X</u>	<u> </u>	<u> </u>
NO _x Stack Limit 0.6 lb/MMBTU 30 Day	<u>X</u>	<u> </u>	<u> </u>
Opacity Limit >10% 6 Minute Average	<u> </u>	<u>X</u>	<u> </u>

T.E.S. FILER CITY STATION

V. EXCESS EMISSION REPORT - SO₂ AND NO_x

SO₂ EVENTS (30 Day Rolling Average Limit of 0.5 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

SO₂ EVENTS (24 Hour Average Limit of 0.7 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
01/05/11 (Hrs 22-23)	1	0.9	Boiler startup following shutdown for a scheduled routine maintenance outage; SO ₂ dry scrubber had to be bypassed to pre-warm the baghouse & maintain the required minimum inlet temperature.	Followed the Maintenance Management Plan (MMP); boiler & baghouse were brought up to full operating temp. as quickly as possible; scrubber was placed into service per manufacturer recommendations. Note: The SO ₂ emission rate after application of a diluent cap is less than the limit of 0.7 lb/mmBtu.
01/08/11 (Hrs 21-23)	2	1.4	Boiler startup following shutdown for a scheduled routine maintenance outage; SO ₂ dry scrubber had to be bypassed to pre-warm the baghouse & maintain the required minimum inlet temperature.	Followed the Maintenance Management Plan (MMP); boiler & baghouse were brought up to full operating temp. as quickly as possible; scrubber was placed into service per manufacturer recommendations. Note: The SO ₂ emission rate after application of a diluent cap is less than the limit of 0.7 lb/mmBtu.
01/09/11 (Hrs 00-04 and 19-23)	2	1.5	Continuation of boiler startup following shutdown for a scheduled routine maintenance outage. During startup, boiler experienced a tube leak, was taken off-line for repairs and was then brought back online later the same day. SO ₂ dry scrubber had to be bypassed to pre-warm the baghouse & maintain the required minimum inlet temperature.	Followed the Maintenance Management Plan (MMP); boiler & baghouse were brought up to full operating temp. as quickly as possible; scrubber was placed into service per manufacturer recommendations. Note: The SO ₂ emission rate after application of a diluent cap is less than the limit of 0.7 lb/mmBtu.

T.E.S. FILER CITY STATION

SO₂ EVENTS (30 Day Rolling Average Limit of SO₂ Percent Reduction: Limit=90%)

Date(s) Occurred	Boiler No.	Value (% removal)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

NO_x EVENTS (30 Day Rolling Average Limit of 0.60 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

OPACITY EVENTS (Excess Emission Notification >10%, 6-Min. Average, for ≥ 2 Hours)

Date(s) Occurred	Boiler No.	Value (% opacity)	Cause	Corrective Action
None	1	N / A	N / A	N / A
2/18/11, 20:30 thru 02/19/11, 00:11	2	69.8% (average)	Boiler tube leak resulted in bypass of the baghouse due to excess moisture in the flue gas. Although the MMP requires that every attempt be made to restore the baghouse to service once the fire is out in the boiler, the boiler fans continued to operate without the baghouse being brought back into service due to false hopper alarms indicating the presence of water in the baghouse.	Consistent with the MMP, the baghouse was bypassed immediately following the tube failure and the boiler fire was then extinguished as quickly as possible. The baghouse was then returned to service as quickly as was deemed possible without damaging the bags due to excessive moisture (i.e., once it was discovered that the hopper alarms indicating the presence of water were false alarms).

NOTE: All six minute periods during which the average opacity exceeds 10% are identified in the attached monthly "Excess Emissions Report" for Boiler #1 and Boiler #2.

T.E.S. FILER CITY STATION**VI. QUALITY ASSURANCE DATA****1a. OUT-OF-CONTROL ASSESSMENT INFORMATION****BOILER # 1****INLET CO2 METER**

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717873	None	N / A	N / A

STACK CO2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717869	None	N / A	N / A

INLET SO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717879	None	N / A	N / A

STACK SO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717877	None	N / A	N / A

T.E.S. FILER CITY STATION**STACK NO_x METER**

Meter	Date(s) Occurred	Description	Corrective Action
TEI 42i – 0623017966	None	N / A	N / A

OPACITY METER

Meter	Date(s) Occurred	Description	Corrective Action
D-R 290 – 425692	None	N / A	N / A

2a. Other operating days for which data has not been obtained (18 hrs) or excluded from calculation of average emission rates:

Boiler #1

Date(s) Occurred	Description	Corrective Action
None	N / A	N / A

3a. OUT-OF-CONTROL ASSESSMENT INFORMATION

Any Boiler 1 CEMS and COMS out-of-control (OOC) periods are generally associated with equipment replacements or excessive calibration drift (CD) error, and they are summarized in Section VI.1a of this report. During this quarter, there were no OOC periods associated with Relative Accuracy Test Audits (RATAs), Cylinder Gas Audits (CGAs), Linearity Tests or CD Error Tests.

When applicable, the duration of each OOC period or other periods of downtime are summarized in the quarterly report document titled "Downtime Report". The information provided in Section VI.1a of this report provides a summary of the OOC period corrective actions. When required, the corrective actions result in the CDs (or relative accuracies) being within the allowed limits.

T.E.S. FILER CITY STATION**1b. OUT-OF-CONTROL ASSESSMENT INFORMATION****BOILER # 2****INLET CO₂ METER**

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717875	None	N / A	N / A

STACK CO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717874	None	N / A	N / A

INLET SO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717883	None	N / A	N / A

STACK SO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717880	None	N / A	N / A

T.E.S. FILER CITY STATION**STACK NO_x METER**

Meter	Date(s) Occurred	Description	Corrective Action
TEI 42i – 0623017967	03/08/11 (Hrs 05-07)	The NO _x analyzer experienced excess calibration drift, resulting in an OOC period.	Performed a manual calibration adjustment and ran a passing calibration error test.

OPACITY METER

Meter	Date(s) Occurred	Description	Corrective Action
D-R 290 – 425693	None	N / A	N / A

2b. Other operating days for which data has not been obtained (18 hrs) or excluded from calculation of average emission rates:

Boiler #2

Date(s) Occurred	Description	Corrective Action
None	N / A	N / A

3b. OUT-OF-CONTROL ASSESSMENT INFORMATION

Any Boiler 2 CEMS and COMS out-of-control (OOC) periods are generally associated with equipment replacements or excessive calibration drift (CD) error, and they are summarized in Section VI.1b of this report. During this quarter, there were no OOC periods associated with Relative Accuracy Test Audits (RATAs), Cylinder Gas Audits (CGAs) or Linearity Tests. However, there was one OOC period for each gas analyzer during this quarter (associated with excessive calibration error drift). Descriptions of the cause(s) of these OOC periods are contained in Section VI.1b of this report.

When applicable, the duration of each OOC period or other periods of downtime are summarized in the quarterly report document titled "Downtime Report". The information provided in Section VI.1b of this report provides a summary of the OOC period corrective actions. When required, the corrective actions result in the CDs (or relative accuracies) being within the allowed limits.

T.E.S. FILER CITY STATION

4. Full Scale Exceedance: Identification of times when pollutant concentration exceeds full span of the continuous monitoring system.

Date(s) Occurred	Boiler No.	Description	Corrective Action
None	1	N / A	N / A
None	2	N / A	N / A

TES FILER CITY STATION AIR EMISSION SUMMARY

JANUARY 2011

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU									NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
BOILER #1															
MONTH	42852 /	42858	99.99%	697.0 /	699.0	99.71%	699.0 /	699.0	100.00%	699.0 /	699.0	100.00%	699.0 /	699.0	100.00%
YTD			99.99%			99.71%			100.00%			100.00%			100.00%
BOILER #2															
MONTH	43116 /	43356	99.45%	657.0 /	670.0	98.06%	670.0 /	670.0	100.00%	670.0 /	670.0	100.00%	670.0 /	670.0	100.00%
YTD			99.45%			98.06%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH

24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING

ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

JAN

4/22/2011 10:02 AM

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TES FILER CITY STATION AIR EMISSION SUMMARY

FEBRUARY 2011

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE									NITROGEN OXIDES		
				<24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			<30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			>90% SO2 REDUCTION LIMIT 30 DAY AVE			<30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
MONTH	40242 /	40320	99.81%	672.0 /	672.0	100.00%	672.0 /	672.0	100.00%	672.0 /	672.0	100.00%	672.0 /	672.0	100.00%
YTD			99.90%			99.85%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
MONTH	39990 /	40314	99.20%	642.0 /	642.0	100.00%	642.0 /	642.0	100.00%	642.0 /	642.0	100.00%	642.0 /	642.0	100.00%
YTD			99.33%			99.01%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH

24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING

ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

FEB

4/22/2011 10:02 AM

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**TES FILER CITY STATION
AIR EMISSION SUMMARY**

MARCH 2011

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU									NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
BOILER #1															
MONTH	44640 /	44640	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
YTD			99.93%			99.91%			100.00%			100.00%			100.00%
BOILER #2															
MONTH	44592 /	44640	99.89%	725.0 /	725.0	100.00%	725.0 /	725.0	100.00%	725.0 /	725.0	100.00%	725.0 /	725.0	100.00%
YTD			99.52%			99.36%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH .

24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING

ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

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TES FILER CITY STATION AIR EMISSION SUMMARY

1st QUARTER 2011

	OPACITY			SULFUR DIOXIDE									NITROGEN OXIDES		
	<6 MINUTE AVE OF 10 %			<24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			<30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			>90% SO2 REDUCTION LIMIT 30 DAY AVE			<30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
JAN	42,852 /	42,858	99.99%	697 /	699	99.71%	699 /	699	100.00%	699 /	699	100.00%	699 /	699	100.00%
FEB	40,242 /	40,320	99.81%	672 /	672	100.00%	672 /	672	100.00%	672 /	672	100.00%	672 /	672	100.00%
MAR	44,640 /	44,640	100.00%	744 /	744	100.00%	744 /	744	100.00%	744 /	744	100.00%	744 /	744	100.00%
1 st Quarter	127,734 /	127,818	99.93%	2113 /	2115	99.91%	2115 /	2115	100.00%	2115 /	2115	100.00%	2115 /	2115	100.00%
YTD			99.93%			99.91%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
JAN	43,116 /	43,356	99.45%	657 /	670	98.06%	670 /	670	100.00%	670 /	670	100.00%	670 /	670	100.00%
FEB	39,990 /	40,314	99.20%	642 /	642	100.00%	642 /	642	100.00%	642 /	642	100.00%	642 /	642	100.00%
MAR	44,592 /	44,640	99.89%	725 /	725	100.00%	725 /	725	100.00%	725 /	725	100.00%	725 /	725	100.00%
1 st Quarter	127,698 /	128,310	99.52%	2024 /	2037	99.36%	2037 /	2037	100.00%	2037 /	2037	100.00%	2037 /	2037	100.00%
YTD			99.52%			99.36%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH

24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING

ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

CEMS Daily Averages - 01/01/11 To 03/31/11

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Period: 01/01/11 00:00:00 To 03/31/11 23:59:59; Records = 90

Date	Operating Hours		NOx		SO2		SO2		SO2		Blr 1&2	
	CEMS		30-Day		24-Hr		30-Day		30-Day		SO2	
			lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	Tons	Vld
01/01/11	24		0.439	30	0.186	24	0.225	30	90.98	30	1.75	24
01/02/11	24		0.439	30	0.152	24	0.223	30	91.04	30	1.49	24
01/03/11	24		0.439	30	0.138	24	0.221	30	91.16	30	1.53	24
01/04/11	1		0.439	30	0.000	01	0.221	30	91.16	30	1.26	24
01/05/11	2		0.439	30	0.938	02	0.221	30	91.16	30	1.33	24
01/06/11	24		0.438	30	0.300	24	0.227	30	91.01	30	1.52	24
01/07/11	24		0.436	30	0.225	24	0.227	30	91.03	30	1.02	24
01/08/11	24		0.434	30	0.114	24	0.223	30	91.23	30	0.53	23
01/09/11	24		0.432	30	0.202	24	0.222	30	91.30	30	1.22	23
01/10/11	24		0.430	30	0.247	24	0.223	30	91.27	30	2.53	24
01/11/11	24		0.429	30	0.183	24	0.223	30	91.28	30	1.77	24
01/12/11	24		0.428	30	0.171	24	0.222	30	91.31	30	1.76	24
01/13/11	24		0.427	30	0.242	24	0.222	30	91.32	30	2.27	24
01/14/11	24		0.426	30	0.216	24	0.221	30	91.36	30	2.07	24
01/15/11	24		0.424	30	0.217	24	0.217	30	91.51	30	2.10	24
01/16/11	24		0.422	30	0.209	24	0.216	30	91.55	30	1.75	24
01/17/11	24		0.421	30	0.214	24	0.216	30	91.55	30	1.87	24
01/18/11	24		0.420	30	0.221	24	0.215	30	91.64	30	2.29	24
01/19/11	24		0.418	30	0.240	24	0.217	30	91.58	30	2.13	24
01/20/11	24		0.417	30	0.283	24	0.222	30	91.44	30	2.57	24
01/21/11	24		0.416	30	0.260	24	0.225	30	91.36	30	2.46	24
01/22/11	24		0.415	30	0.248	24	0.226	30	91.36	30	2.25	24
01/23/11	24		0.415	30	0.293	24	0.226	30	91.39	30	2.88	24
01/24/11	24		0.414	30	0.233	24	0.228	30	91.37	30	2.36	24
01/25/11	24		0.413	30	0.236	24	0.229	30	91.37	30	2.23	24
01/26/11	24		0.411	30	0.293	24	0.232	30	91.32	30	3.11	24
01/27/11	24		0.410	30	0.247	24	0.233	30	91.32	30	2.27	24
01/28/11	24		0.409	30	0.246	24	0.232	30	91.39	30	2.33	24
01/29/11	24		0.408	30	0.243	24	0.227	30	91.60	30	2.20	24
01/30/11	24		0.407	30	0.202	24	0.228	30	91.59	30	1.86	24
01/31/11	24		0.406	30	0.192	24	0.222	30	91.88	30	1.87	24
02/01/11	24		0.406	30	0.484	24	0.232	30	91.50	30	4.18	24
02/02/11	24		0.405	30	0.265	24	0.235	30	91.44	30	2.45	24
02/03/11	24		0.404	30	0.288	24	0.240	30	91.32	30	2.66	24
02/04/11	24		0.403	30	0.178	24	0.241	30	91.28	30	2.04	24
02/05/11	24		0.402	30	0.205	24	0.236	30	91.36	30	1.90	24

Date	Operating Hours		NOx		SO2		SO2		SO2		Blr 1&2	
	CEMS		30-Day	Vld	24-Hr	Vld	30-Day	Vld	30-Day	Vld	SO2	Vld
02/06/11	24		0.403	30	0.259	24	0.238	30	91.31	30	2.38	24
02/07/11	24		0.404	30	0.201	24	0.240	30	91.20	30	2.26	24
02/08/11	24		0.406	30	0.214	24	0.241	30	91.18	30	2.26	24
02/09/11	24		0.407	30	0.157	24	0.238	30	91.29	30	1.93	24
02/10/11	24		0.408	30	0.183	24	0.238	30	91.30	30	2.19	24
02/11/11	24		0.408	30	0.217	24	0.239	30	91.26	30	2.20	24
02/12/11	24		0.408	30	0.224	24	0.239	30	91.29	30	2.20	24
02/13/11	24		0.409	30	0.159	24	0.237	30	91.36	30	1.59	24
02/14/11	24		0.410	30	0.213	24	0.237	30	91.36	30	1.94	23
02/15/11	24		0.411	30	0.216	24	0.237	30	91.31	30	2.17	24
02/16/11	24		0.412	30	0.216	23	0.237	30	91.27	30	2.08	23
02/17/11	24		0.413	30	0.224	24	0.237	30	91.22	30	2.22	24
02/18/11	24		0.415	30	0.296	24	0.236	30	91.14	30	1.88	24
02/19/11	24		0.415	30	0.224	24	0.234	30	91.18	30	1.05	24
02/20/11	24		0.415	30	0.212	24	0.232	30	91.18	30	1.41	24
02/21/11	24		0.416	30	0.238	24	0.232	30	91.15	30	2.07	24
02/22/11	24		0.416	30	0.339	24	0.234	30	91.04	30	2.90	24
02/23/11	24		0.416	30	0.201	24	0.232	30	91.04	30	1.87	24
02/24/11	24		0.416	30	0.194	24	0.231	30	91.07	30	1.86	24
02/25/11	24		0.417	30	0.251	24	0.230	30	91.09	30	2.32	24
02/26/11	24		0.418	30	0.232	24	0.229	30	91.09	30	1.99	24
02/27/11	24		0.419	30	0.202	24	0.228	30	91.14	30	1.91	24
02/28/11	24		0.419	30	0.192	24	0.226	30	91.18	30	1.79	24
03/01/11	24		0.419	30	0.212	24	0.226	30	91.14	30	2.04	24
03/02/11	24		0.420	30	0.232	24	0.228	30	91.08	30	2.26	24
03/03/11	24		0.420	30	0.222	24	0.219	30	91.37	30	2.20	24
03/04/11	24		0.420	30	0.198	24	0.217	30	91.42	30	1.95	24
03/05/11	24		0.420	30	0.246	24	0.215	30	91.44	30	2.27	24
03/06/11	24		0.420	30	0.196	24	0.216	30	91.42	30	1.88	24
03/07/11	24		0.421	30	0.264	22	0.218	30	91.33	30	2.15	22
03/08/11	24		0.421	30	0.264	24	0.218	30	91.31	30	2.35	24
03/09/11	24		0.421	30	0.224	24	0.219	30	91.27	30	2.27	24
03/10/11	24		0.420	30	0.216	24	0.219	30	91.26	30	2.18	24
03/11/11	24		0.420	30	0.235	24	0.221	30	91.15	30	2.07	24
03/12/11	24		0.420	30	0.262	24	0.224	30	91.05	30	2.28	24
03/13/11	24		0.421	30	0.252	24	0.225	30	90.98	30	2.20	24
03/14/11	24		0.421	30	0.278	24	0.227	30	90.90	30	2.49	24
03/15/11	24		0.421	30	0.221	24	0.229	30	90.81	30	2.27	24
03/16/11	24		0.421	30	0.219	24	0.229	30	90.79	30	1.90	24
03/17/11	24		0.419	30	0.192	24	0.228	30	90.83	30	1.91	24

Date	Operating Hours		NOx		SO2		SO2		SO2		Blr 1&2	
	CEMS		30-Day		24-Hr		30-Day		30-Day		SO2	
			lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	Tons	Vld
03/18/11	24		0.418	30	0.287	24	0.231	30	90.73	30	2.78	24
03/19/11	24		0.418	30	0.170	24	0.229	30	90.79	30	1.79	24
03/20/11	24		0.417	30	0.237	24	0.230	30	90.83	30	2.45	24
03/21/11	24		0.418	30	0.226	24	0.230	30	90.84	30	1.90	24
03/22/11	24		0.419	30	0.329	24	0.234	30	90.71	30	1.23	24
03/23/11	24		0.419	30	0.279	24	0.235	30	90.67	30	2.50	24
03/24/11	24		0.419	30	0.225	24	0.231	30	90.84	30	2.18	24
03/25/11	24		0.419	30	0.229	23	0.232	30	90.81	30	1.97	23
03/26/11	24		0.420	30	0.253	24	0.234	30	90.74	30	2.26	24
03/27/11	24		0.421	30	0.224	24	0.233	30	90.78	30	1.96	24
03/28/11	24		0.421	30	0.202	24	0.232	30	90.81	30	2.07	24
03/29/11	24		0.422	30	0.266	24	0.235	30	90.71	30	2.59	24
03/30/11	24		0.422	30	0.175	24	0.234	30	90.73	30	1.64	24
03/31/11	24		0.422	30	0.184	24	0.233	30	90.76	30	1.74	24

CEMS Daily Averages - 01/01/11 To 03/31/11

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Period: 01/01/11 00:00:00 To 03/31/11 23:59:59; Records = 90

Date	Operating Hours	NOx		SO2		SO2		SO2		
	CEMS	30-Day	Vld	24-Hr	Vld	30-Day	Vld	% Red.	Vld	
01/01/11	24	0.405	30	0.184	24	0.224	30	90.95	30	0.00
01/02/11	24	0.404	30	0.158	24	0.222	30	91.01	30	0.00
01/03/11	24	0.404	30	0.182	24	0.219	30	91.12	30	0.00
01/04/11	24	0.404	30	0.247	24	0.221	30	91.06	30	0.00
01/05/11	24	0.405	30	0.259	24	0.222	30	91.06	30	0.00
01/06/11	9	0.405	30	0.160	09	0.222	30	91.06	30	0.00
01/07/11	0	0.405	30	0.000	00	0.222	30	91.06	30	0.00
01/08/11	3	0.405	30	1.379	02	0.222	30	91.06	30	0.00
01/09/11	10	0.405	30	1.486	09	0.222	30	91.06	30	0.00
01/10/11	24	0.404	30	0.281	24	0.223	30	91.00	30	0.00
01/11/11	24	0.403	30	0.183	24	0.223	30	91.03	30	0.00
01/12/11	24	0.403	30	0.193	24	0.223	30	91.03	30	0.00
01/13/11	24	0.403	30	0.222	24	0.224	30	90.96	30	0.00
01/14/11	24	0.402	30	0.213	24	0.225	30	90.96	30	0.00
01/15/11	24	0.400	30	0.228	24	0.225	30	90.97	30	0.00
01/16/11	24	0.400	30	0.156	24	0.222	30	91.08	30	0.00
01/17/11	24	0.399	30	0.175	24	0.218	30	91.20	30	0.00
01/18/11	24	0.399	30	0.256	24	0.218	30	91.23	30	0.00
01/19/11	24	0.399	30	0.208	24	0.216	30	91.30	30	0.00
01/20/11	24	0.398	30	0.259	24	0.215	30	91.36	30	0.00
01/21/11	24	0.397	30	0.257	24	0.217	30	91.34	30	0.00
01/22/11	24	0.397	30	0.232	24	0.218	30	91.30	30	0.00
01/23/11	24	0.396	30	0.304	24	0.222	30	91.19	30	0.00
01/24/11	24	0.396	30	0.259	24	0.224	30	91.17	30	0.00
01/25/11	24	0.394	30	0.229	24	0.225	30	91.15	30	0.00
01/26/11	24	0.393	30	0.357	24	0.226	30	91.11	30	0.00
01/27/11	24	0.392	30	0.234	24	0.227	30	91.09	30	0.00
01/28/11	24	0.390	30	0.245	24	0.227	30	91.11	30	0.00
01/29/11	24	0.388	30	0.217	24	0.225	30	91.19	30	0.00
01/30/11	24	0.387	30	0.183	24	0.221	30	91.39	30	0.00
01/31/11	24	0.385	30	0.192	24	0.221	30	91.39	30	0.00
02/01/11	24	0.384	30	0.383	24	0.228	30	91.13	30	0.00
02/02/11	24	0.382	30	0.248	24	0.230	30	91.07	30	0.00
02/03/11	24	0.381	30	0.265	24	0.234	30	90.94	30	0.00
02/04/11	24	0.379	30	0.243	24	0.236	30	90.87	30	0.00
02/05/11	24	0.377	30	0.196	24	0.237	30	90.83	30	0.00

Date	Operating Hours		NOx		SO2		SO2		SO2	
	CEMS		30-Day	Vld	24-Hr	Vld	30-Day	Vld	% Red.	Vld
02/06/11	24		0.375	30	0.238	24	0.239	30	90.76	30
02/07/11	24		0.372	30	0.265	24	0.239	30	90.74	30
02/08/11	24		0.370	30	0.248	24	0.239	30	90.74	30
02/09/11	24		0.370	30	0.233	24	0.237	30	90.80	30
02/10/11	24		0.371	30	0.263	24	0.240	30	90.73	30
02/11/11	24		0.370	30	0.240	24	0.242	30	90.70	30
02/12/11	24		0.369	30	0.230	24	0.242	30	90.71	30
02/13/11	24		0.369	30	0.175	24	0.241	30	90.77	30
02/14/11	24		0.369	30	0.215	23	0.240	30	90.77	30
02/15/11	24		0.369	30	0.231	24	0.243	30	90.66	30
02/16/11	24		0.368	30	0.240	24	0.245	30	90.55	30
02/17/11	24		0.366	30	0.243	24	0.244	30	90.53	30
02/18/11	21		0.366	30	0.219	21	0.244	30	90.53	30
02/19/11	0		0.366	30	0.000	00	0.244	30	90.53	30
02/20/11	21		0.366	30	0.326	21	0.244	30	90.53	30
02/21/11	24		0.365	30	0.199	24	0.244	30	90.55	30
02/22/11	24		0.365	30	0.264	24	0.244	30	90.54	30
02/23/11	24		0.363	30	0.190	24	0.242	30	90.61	30
02/24/11	24		0.362	30	0.194	24	0.241	30	90.64	30
02/25/11	24		0.361	30	0.235	24	0.238	30	90.72	30
02/26/11	24		0.360	30	0.185	24	0.236	30	90.79	30
02/27/11	24		0.359	30	0.198	24	0.235	30	90.83	30
02/28/11	24		0.360	30	0.181	24	0.229	30	91.06	30
03/01/11	24		0.360	30	0.212	24	0.228	30	91.10	30
03/02/11	24		0.360	30	0.234	24	0.228	30	91.11	30
03/03/11	24		0.362	30	0.231	24	0.228	30	91.07	30
03/04/11	24		0.363	30	0.210	24	0.229	30	91.02	30
03/05/11	24		0.364	30	0.232	24	0.231	30	90.97	30
03/06/11	24		0.364	30	0.198	24	0.224	30	91.21	30
03/07/11	24		0.365	30	0.224	22	0.224	30	91.23	30
03/08/11	24		0.365	30	0.225	24	0.222	30	91.28	30
03/09/11	24		0.365	30	0.252	24	0.223	30	91.27	30
03/10/11	24		0.365	30	0.239	24	0.224	30	91.22	30
03/11/11	24		0.365	30	0.199	24	0.223	30	91.26	30
03/12/11	24		0.365	30	0.221	24	0.221	30	91.30	30
03/13/11	24		0.364	30	0.204	24	0.220	30	91.35	30
03/14/11	24		0.363	30	0.233	24	0.220	30	91.32	30
03/15/11	24		0.363	30	0.246	24	0.219	30	91.31	30
03/16/11	24		0.361	30	0.180	24	0.217	30	91.37	30
03/17/11	24		0.360	30	0.207	24	0.217	30	91.37	30

Date	Operating Hours		NOx		SO2		SO2		SO2		
	CEMS		30-Day	Vld	24-Hr	Vld	30-Day	Vld	30-Day	% Red.	
03/18/11	24		0.359	30	0.288	24	0.220	30	91.18	30	0.00
03/19/11	24		0.359	30	0.194	24	0.220	30	91.20	30	0.00
03/20/11	24		0.359	30	0.269	24	0.221	30	91.16	30	0.00
03/21/11	22		0.359	30	0.222	22	0.221	30	91.16	30	0.00
03/22/11	7		0.359	30	0.270	07	0.221	30	91.16	30	0.00
03/23/11	24		0.359	30	0.246	24	0.221	30	91.19	30	0.00
03/24/11	24		0.360	30	0.223	24	0.220	30	91.24	30	0.00
03/25/11	24		0.360	30	0.199	24	0.220	30	91.24	30	0.00
03/26/11	24		0.361	30	0.214	24	0.219	30	91.31	30	0.00
03/27/11	24		0.362	30	0.182	24	0.218	30	91.31	30	0.00
03/28/11	24		0.363	30	0.223	24	0.219	30	91.27	30	0.00
03/29/11	24		0.364	30	0.268	24	0.221	30	91.21	30	0.00
03/30/11	24		0.365	30	0.165	24	0.220	30	91.22	30	0.00
03/31/11	24		0.367	30	0.182	24	0.219	30	91.22	30	0.00

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 Opacity

Emission Limitation: 10

Reporting Period Dates: From 1/01/2011 To 3/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/27/10

Total Source Operating Time in Reporting Period: 21303 periods

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	9	0.04
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	9	0.04

Durations in 6-minute periods

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time / Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	1	0.00
2. Control Equip Problems	1	0.00
3. Process Problems	12	0.06
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	14	0.07

Durations in 6-minute periods

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions / Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice
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4/28/11
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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 NOx lb/mmBtu 30-Day

Emission Limitation: 0.60

Reporting Period Dates: From 1/01/2011 To 3/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 11/05/10

Total Source Operating Time in Reporting Period: 2115 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	1	0.05
3. Calibration/QA	3	0.14
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	4	0.19

Durations in hours

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO2 lb/mmBtu 24-Hr

Emission Limitation: 0.7

Reporting Period Dates: From 1/01/2011 To 3/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 03/25/11

Total Source Operating Time in Reporting Period: 2115 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	1	0.05
3. Calibration/QA	3	0.14
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	4	0.19

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	2	0.09
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	2	0.09

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO₂ lb/mmBtu 30-Day

Emission Limitation: 0.5

Reporting Period Dates: From 1/01/2011 To 3/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 03/25/11

Total Source Operating Time in Reporting Period: 2115 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	1	0.05
3. Calibration/QA	3	0.14
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	4	0.19

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time / Source Operating Time x 100

Emission Data Summary

	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions / Source Operating Time x 100

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO₂ Reduction 30-Day

Emission Limitation: 90

Reporting Period Dates: From 1/01/2011 To 3/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 03/25/11

Total Source Operating Time in Reporting Period: 2115 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	1	0.05
3. Calibration/QA	3	0.14
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	4	0.19

Durations in hours

(1) % Unavailable is calculated by the following formula:

$$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$$

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$$

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boilers Total SO₂ Tons

Emission Limitation: 6.45

Reporting Period Dates: From 1/01/2011 To 3/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boilers

Date of Last CEMS Certification or Audit: 11/05/10

Total Source Operating Time in Reporting Period: 2160 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	2	0.09
3. Calibration/QA	4	0.19
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	6	0.28

Durations in hours

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 CO lb/mmBtu 24-Hr

Emission Limitation: 0.300

Reporting Period-Dates: From 1/01/2011 To 3/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 03/25/11

Total Source Operating Time in Reporting Period: 2115 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

		%
	Duration	Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	1	0.05
3. Calibration/QA	3	0.14
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	4	0.19

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

		% Excess
	Duration	Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	26	1.23
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	26	1.23

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 CO lb/hr 24-Hr

Emission Limitation: 115.2

Reporting Period Dates: From 1/01/2011 To 3/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 03/25/11

Total Source Operating Time in Reporting Period: 2115 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	% Unavailable (1)	
	Duration	
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	1	0.05
3. Calibration/QA	3	0.14
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	4	0.19

Durations in hours

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	% Excess Emissions(2)	
	Duration	
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	16	0.76
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	16	0.76

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 Opacity

Emission Limitation: 10

Reporting Period Dates: From 1/01/2011 To 3/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/27/10

Total Source Operating Time in Reporting Period: 21385 periods

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	3	0.01
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	3	0.01

Durations in 6-minute periods

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	5	0.02
2. Control Equip Problems	0	0.00
3. Process Problems	89	0.42
4. Other Known Causes	8	0.04
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	102	0.48

Durations in 6-minute periods

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 NOx lb/mmBtu 30-Day

Emission Limitation: 0.60

Reporting Period Dates: From 1/01/2011 To 3/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 11/05/10

Total Source Operating Time in Reporting Period: 2037 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	%
		Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	3	0.15
2. Non-Monitor CEMS Equipment Malfunction	1	0.05
3. Calibration/QA	3	0.15
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	7	0.34

Durations in hours

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess
		Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 SO₂ lb/mmBtu 24-Hr

Emission Limitation: 0.7

Reporting Period Dates: From 1/01/2011 To 3/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 03/26/11

Total Source Operating Time in Reporting Period: 2037 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	1	0.05
3. Calibration/QA	3	0.15
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	4	0.20

Durations in hours

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	13	0.64
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	13	0.64

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 SO2 lb/mmBtu 30-Day

Emission Limitation: 0.5

Reporting Period Dates: From 1/01/2011 To 3/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 03/26/11

Total Source Operating Time in Reporting Period: 2037 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	1	0.05
3. Calibration/QA	3	0.15
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	4	0.20

Durations in hours

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

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Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 SO₂ Reduction 30-Day

Emission Limitation: 90

Reporting Period Dates: From 1/01/2011 To 3/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 03/26/11

Total Source Operating Time in Reporting Period: 2037 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

		%
	Duration	Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	1	0.05
3. Calibration/QA	3	0.15
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	4	0.20

Durations in hours

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary

		% Excess
	Duration	Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 CO lb/mmBtu 24-Hr

Emission Limitation: 0.300

Reporting Period Dates: From 1/01/2011 To 3/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 03/26/11

Total Source Operating Time in Reporting Period: 2037 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	8	0.39
2. Non-Monitor CEMS Equipment Malfunction	1	0.05
3. Calibration/QA	4	0.20
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	13	0.64

Durations in hours

(1) % Unavailable is calculated by the following formula:

$$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$$

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$$

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice
NAME

Jason M. Prentice
SIGNATURE

Env. Planner
TITLE

4/28/11
DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 CO lb/hr 24-Hr

Emission Limitation: 115.2

Reporting Period Dates: From 1/01/2011 To 3/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 03/26/11

Total Source Operating Time in Reporting Period: 2037 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	8	0.39
2. Non-Monitor CEMS Equipment Malfunction	1	0.05
3. Calibration/QA	5	0.25
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	14	0.69

Durations in hours

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	17	0.83
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	17	0.83

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice
NAME

Jason M. Prentice
SIGNATURE

Env. Planner
TITLE

4/28/11
DATE

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Opacity

Data in the Reporting Period: 01/01/11 to 03/31/11

Incid. No.	Start Date	End Date	Duration Periods	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	01/24/11 08:48:39	01/24/11 09:23:39	6	15=Preventative Maintenance	3=Quality Assurance Calibrations	Heater Housing repair and blowdown
2	03/01/11 09:00:37	03/01/11 09:17:37	3	15=Preventative Maintenance	3=Quality Assurance Calibrations	Installed new Air Intake heater

Total Downtime in the Reporting Period = 9 Periods , Data Availability for this Reporting Period = 99.96 %

Total Operating Time in the Reporting Period = 21303 Periods

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: NOx CEMS

Data in the Reporting Period: 01/01/11 to 03/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	02/16/11 07:00:37	02/16/11 07:59:37	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Missed Polling/Performing Back Calculations for new
2	03/07/11 09:00:38	03/07/11 10:59:39	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	NOx contam after ACU switch, cleaned NOx sample
3	03/25/11 12:00:36	03/25/11 12:59:36	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Completed Multipoint Calibration

Total Downtime in the Reporting Period = 4 hours , Data Availability for this Reporting Period = 99.81 %

Total Operating Time in the Reporting Period = 2115 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 CEMS

Data in the Reporting Period: 01/01/11 to 03/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	02/16/11 07:00:37	02/16/11 07:59:37	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Missed Polling/Performing Back Calculations for new
2	03/07/11 09:00:38	03/07/11 10:59:39	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	NOx contam after ACU switch, cleaned NOx sample
3	03/25/11 12:00:36	03/25/11 12:59:36	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Completed Multipoint Calibration

Total Downtime in the Reporting Period = 4 hours , Data Availability for this Reporting Period = 99.81 %

Total Operating Time in the Reporting Period = 2115 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO CEMS

Data in the Reporting Period: 01/01/11 to 03/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	02/16/11 07:00:37	02/16/11 07:59:37	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Missed Polling/Performing Back Calculations for new
2	03/07/11 09:00:38	03/07/11 10:59:39	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	NOx contam after ACU switch, cleaned NOx sample
3	03/25/11 12:00:36	03/25/11 12:59:36	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Completed Multipoint Calibration

Total Downtime in the Reporting Period = 4 hours , Data Availability for this Reporting Period = 99.81 %

Total Operating Time in the Reporting Period = 2115 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO2 Analyzer

Data in the Reporting Period: 01/01/11 to 03/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	02/16/11 07:00:37	02/16/11 07:59:37	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Missed Polling/Performing Back Calculations for new
2	03/07/11 09:00:38	03/07/11 10:59:39	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	NOx contam after ACU switch, cleaned NOx sample
3	03/25/11 12:00:36	03/25/11 12:59:36	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Completed Multipoint Calibration

Total Downtime in the Reporting Period = 4 hours , Data Availability for this Reporting Period = 99.81 %

Total Operating Time in the Reporting Period = 2115 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Flow Analyzer

Data in the Reporting Period: 01/01/11 to 03/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	02/16/11 07:00:37	02/16/11 07:59:37	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Missed Polling/Performing Back Calculations for new

Total Downtime in the Reporting Period = 1 hours , Data Availability for this Reporting Period = 99.95 %

Total Operating Time in the Reporting Period = 2115 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Inlet SO2 CEMS

Data in the Reporting Period: 01/01/11 to 03/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	02/16/11 07:00:37	02/16/11 07:59:37	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Missed Polling/Performing Back Calculations for new
2	03/07/11 09:00:38	03/07/11 10:59:39	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	NOx contam after ACU switch, cleaned NOx sample
3	03/25/11 12:00:36	03/25/11 12:59:36	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Completed Multipoint Calibration

Total Downtime in the Reporting Period = 4 hours , Data Availability for this Reporting Period = 99.81 %

Total Operating Time in the Reporting Period = 2115 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Inlet CO2 Analyzer

Data in the Reporting Period: 01/01/11 to 03/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	02/16/11 07:00:37	02/16/11 07:59:37	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Missed Polling/Performing Back Calculations for new
2	03/07/11 09:00:38	03/07/11 10:59:39	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	NOx contam after ACU switch, cleaned NOx sample
3	03/25/11 12:00:36	03/25/11 12:59:36	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Completed Multipoint Calibration

Total Downtime in the Reporting Period = 4 hours , Data Availability for this Reporting Period = 99.81 %

Total Operating Time in the Reporting Period = 2115 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Opacity

Data in the Reporting Period: 01/01/11 to 03/31/11

Incid. No.	Start Date	End Date	Duration Periods	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	03/01/11 09:18:38	03/01/11 09:35:38	3	15=Preventative Maintenance	3=Quality Assurance Calibrations	Installed new Air Intake heater

Total Downtime in the Reporting Period = 3 Periods , Data Availability for this Reporting Period = 99.99 %

Total Operating Time in the Reporting Period = 21385 Periods

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: NOx CEMS

Data in the Reporting Period: 01/01/11 to 03/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	01/08/11 21:00:40	01/08/11 21:59:40	1	21=Blowback	3=Quality Assurance Calibrations	Too Few minutes in hour for valid hour during startup.
2	02/14/11 12:00:37	02/14/11 12:59:37	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Missed Polling/Performing Back Calculations for new
3	03/07/11 09:00:37	03/07/11 10:59:38	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	NOx contam after ACU switch, cleaned NOx sample
4	03/08/11 05:00:38	03/08/11 07:59:35	3	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Made Manual Cal Adjustments/Performed Daily Auto Cal

Total Downtime in the Reporting Period = 7 hours , Data Availability for this Reporting Period = 99.66 %

Total Operating Time in the Reporting Period = 2037 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Location: Filer City, MI

Parameter: SO2 CEMS

Data in the Reporting Period: 01/01/11 to 03/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	01/08/11 21:00:40	01/08/11 21:59:40	1	21=Blowback	3=Quality Assurance Calibrations	Too Few minutes in hour for valid hour during startup.
2	02/14/11 12:00:37	02/14/11 12:59:37	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Missed Polling/Performing Back Calculations for new
3	03/07/11 09:00:37	03/07/11 10:59:38	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	NOx contam after ACU switch, cleaned NOx sample

Total Downtime in the Reporting Period = 4 hours , Data Availability for this Reporting Period = 99.80 %
 Total Operating Time in the Reporting Period = 2037 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO CEMS

Data in the Reporting Period: 01/01/11 to 03/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	01/08/11 21:00:40	01/08/11 21:59:40	1	21=Blowback	3=Quality Assurance Calibrations	Too Few minutes in hour for valid hour during startup.
2	01/27/11 23:00:39	01/27/11 23:59:39	1	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	CO analyzer had upset. Under Investigation.
3	02/14/11 12:00:37	02/14/11 12:59:37	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Missed Polling/Performing Back Calculations for new
4	02/21/11 02:00:38	02/21/11 08:59:36	7	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Invalidated Data due to faulty instrument parts
5	02/21/11 16:00:37	02/21/11 16:59:37	1	14=Recalibration	3=Quality Assurance Calibrations	Replaced Detector and Correlation Motor
6	03/07/11 09:00:37	03/07/11 10:59:38	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	NOx contam after ACU switch, cleaned NOx sample

Total Downtime in the Reporting Period = 13 hours , Data Availability for this Reporting Period = 99.36 %

Total Operating Time in the Reporting Period = 2037 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO2 Analyzer

Data in the Reporting Period: 01/01/11 to 03/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	01/08/11 21:00:40	01/08/11 21:59:40	1	21=Blowback	3=Quality Assurance Calibrations	Too Few minutes in hour for valid hour during startup.
2	02/14/11 12:00:37	02/14/11 12:59:37	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Missed Polling/Performing Back Calculations for new
3	03/07/11 09:00:37	03/07/11 10:59:38	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	NOx contam after ACU switch, cleaned NOx sample

Total Downtime in the Reporting Period = 4 hours , Data Availability for this Reporting Period = 99.80 %

Total Operating Time in the Reporting Period = 2037 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Flow Analyzer

Data in the Reporting Period: 01/01/11 to 03/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	02/14/11 12:00:37	02/14/11 12:59:37	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Missed Polling/Performing Back Calculations for new

Total Downtime in the Reporting Period = 1 hours , Data Availability for this Reporting Period = 99.95 %

Total Operating Time in the Reporting Period = 2037 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Inlet SO2 CEMS

Data in the Reporting Period: 01/01/11 to 03/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	02/14/11 12:00:37	02/14/11 12:59:37	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Missed Polling/Performing Back Calculations for new
2	03/07/11 09:00:37	03/07/11 10:59:38	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	NOx contam after ACU switch, cleaned NOx sample

Total Downtime in the Reporting Period = 3 hours , Data Availability for this Reporting Period = 99.85 %

Total Operating Time in the Reporting Period = 2037 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Inlet CO2 Analyzer

Data in the Reporting Period: 01/01/11 to 03/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	02/14/11 12:00:37	02/14/11 12:59:37	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Missed Polling/Performing Back Calculations for new
2	03/07/11 09:00:37	03/07/11 10:59:38	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	NOx contam after ACU switch, cleaned NOx sample

Total Downtime in the Reporting Period = 3 hours , Data Availability for this Reporting Period = 99.85 %

Total Operating Time in the Reporting Period = 2037 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Opacity

Limit: 10

Data in the Reporting Period: 01/01/11 to 03/31/11

Inc No.	Start Date	End Date	Duration Periods	Emission Reading	EPA Category	Reason for Incident	Corrective Action
1	01/04/11 05:36:36	01/04/11 05:41:36	1	14	Startup/Shutdown	Boiler Shutdown	Normal Occurrence, no action necessary.
2	02/11/11 14:24:36	02/11/11 14:29:36	1	24	Control Equip Problems	Instr. & Control Problems	Bypassed Baghouse to reset Inlet Temp Probe.
3	02/18/11 23:00:38	02/19/11 00:11:38	12	72	Process Problems	U2 Boiler Tripped Off Causing imbalance	U1/U2 situation back under control

Total Duration in the Reporting Period = 14 Periods , Percentage of Operating Time above Excess Emission Limit = 0.07 %

Total Operating Time in the Reporting Period = 21303 Periods

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: NOx lb/mmBtu 30-Day

Limit: 0.60

Data in the Reporting Period: 01/01/11 to 03/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2115 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 lb/mmBtu Daily Ave.

Data in the Reporting Period: 01/01/11 to 03/31/11

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	01/05/11 00:00:59	01/05/11 23:59:59	2	0.9	0.7	Startup/Shutdown	Boiler Startup	None Needed

Total Duration in the Reporting Period = 2 hours , Percentage of Operating Time above Excess Emission Limit = 0.09 %

Total Operating Time in the Reporting Period = 2115 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 lb/mmBtu 30-Day

Limit: 0.5

Data in the Reporting Period: 01/01/11 to 03/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2115 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 Reduction 30-Day

Limit: 90

Data in the Reporting Period: 01/01/11 to 03/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2115 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boilers

Parameter: Total SO2 Tons

Limit: 6.45

Data in the Reporting Period: 01/01/11 to 03/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2160 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO lb/mmBtu 24-Hr Roll

Limit: 0.300

Data in the Reporting Period: 01/01/11 to 03/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
1	03/21/11 22:00:38	03/22/11 05:59:35	8	0.717	0.798	Process Problems	Boiler 2 Tripped Off Causing Process	Corrected Process Issues
2	03/22/11 08:00:38	03/23/11 01:59:36	18	0.869	0.921	Process Problems	Boiler 2 Tripped Off Causing Process	Corrected Process Issues

Total Duration in the Reporting Period = 26 hours , Percentage of Operating Time above Excess Emission Limit = 1.23 %

Total Operating Time in the Reporting Period = 2115 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Location: Filer City, MI

Parameter: CO lb/hr 24-Hr Roll

Limit: 115.2

Data in the Reporting Period: 01/01/11 to 03/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
1	03/22/11 07:00:41	03/22/11 22:59:38	16	146.5	151.6	Process Problems	Boiler 2 Tripped Off Causing Process	Corrected Process Issues

Total Duration in the Reporting Period = 16 hours , Percentage of Operating Time above Excess Emission Limit = 0.76 %
 Total Operating Time in the Reporting Period = 2115 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Opacity

Limit: 10

Data in the Reporting Period: 01/01/11 to 03/31/11

Inc No.	Start Date	End Date	Duration Periods	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
1	01/09/11 04:24:37	01/09/11 04:53:37	5	87	89	Process Problems	Boiler Tripped Off-Blew a Tube	Repaired Tube following cool down period.
2	01/09/11 05:00:39	01/09/11 05:05:39	1	89	89	Process Problems	Unit down - cooling boiler for tube repair	Began repairing tube following this cool down
3	01/09/11 05:12:37	01/09/11 05:17:37	1	23	23	Process Problems	Unit down - cooling boiler for tube repair	Began repairing tube following this cool down
4	01/09/11 05:36:37	01/09/11 05:53:39	3	20	23	Process Problems	Unit down - cooling boiler for tube repair	Began repairing tube following this cool down
5	01/09/11 06:12:37	01/09/11 07:17:37	11	27	51	Process Problems	Unit down - cooling boiler for tube repair	Began repairing tube following this cool down
6	01/09/11 07:48:40	01/09/11 08:53:43	11	18	27	Process Problems	Unit down - cooling boiler for tube repair	Began repairing tube following this cool down
7	01/09/11 09:06:43	01/09/11 09:53:40	8	16	21	Process Problems	Unit down - cooling boiler for tube repair	Began repairing tube following this cool down
8	02/18/11 20:30:39	02/18/11 20:59:36	5	72	89	Process Problems	Boiler Tripped-Blew Tube	Repaired Blown Tube
9	02/18/11 21:12:39	02/19/11 01:11:39	40	69	89	Process Problems	Unit down - cooling boiler for tube repair	Repaired Blown Tube
10	02/19/11 07:24:37	02/19/11 07:35:38	2	39	46	Process Problems	Unit down - cooling boiler for tube repair	Repaired Blown Tube
11	02/19/11 23:24:37	02/19/11 23:35:38	2	22	24	Process Problems	Unit down - cooling boiler for tube repair	Repaired Blown Tube
12	02/20/11 03:12:39	02/20/11 03:23:42	2	27	31	Startup/Shutdown	U2 Startup after tube repair.	Completed Startup Process
13	02/20/11 03:36:39	02/20/11 03:41:39	1	12	12	Startup/Shutdown	U2 Startup after tube repair.	Completed Startup Process
14	02/20/11 07:36:36	02/20/11 07:47:37	2	14	14	Startup/Shutdown	U2 Startup after tube repair.	Completed Startup Process
15	03/21/11 21:42:41	03/21/11 22:11:40	5	64	84	Other Known Causes	24: Boiler Offline-Maint Tube Blow due to	Repairing tubing
16	03/21/11 22:24:40	03/21/11 22:41:41	3	18	23	Other Known Causes	24: Boiler Offline-Maint Tube Blow due to	Repairing tubing

Total Duration in the Reporting Period = 102 Periods , Percentage of Operating Time above Excess Emission Limit = 0.48 %

Total Operating Time in the Reporting Period = 21385 Periods

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: NOx lb/mmBtu 30-Day

Limit: 0.60

Data in the Reporting Period: 01/01/11 to 03/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2037 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 lb/mmBtu Daily Ave.

Data in the Reporting Period: 01/01/11 to 03/31/11

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	01/08/11 00:00:59	01/08/11 23:59:59	3	1.4	0.7	Startup/Shutdown	Boiler Startup Following repair of blown	Followed MMP procedures for startup.
2	01/09/11 00:00:59	01/09/11 23:59:59	10	1.5	0.7	Startup/Shutdown	Boiler Startup Following repair of blown	Followed MMP procedures for startup.

Total Duration in the Reporting Period = 13 hours , Percentage of Operating Time above Excess Emission Limit = 0.64 %

Total Operating Time in the Reporting Period = 2037 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 lb/mmBtu 30-Day

Limit: 0.5

Data in the Reporting Period: 01/01/11 to 03/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2037 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 Reduction 30-Day

Limit: 90

Data in the Reporting Period: 01/01/11 to 03/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2037 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO lb/mmBtu 24-Hr Roll

Limit: 0.300

Data in the Reporting Period: 01/01/11 to 03/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2037 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO lb/hr 24-Hr Roll

Limit: 115.2

Data in the Reporting Period: 01/01/11 to 03/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
1	01/09/11 22:00:42	01/10/11 14:59:39	17	144.3	151.0	Process Problems	Boiler Startup	Corrected Process Issues

Total Duration in the Reporting Period = 17 hours , Percentage of Operating Time above Excess Emission Limit = 0.83 %

Total Operating Time in the Reporting Period = 2037 hours

Linearity Test Report - 2011Q1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 NOx High Audit Test Results Analyzer Span: 500.00 ppm

Mfr & Model: Thermo 42i

Serial Number: 0623017966

Low-Level Calibration Gas Concentration: 125.50
(20-30% of Span) Cylinder No.: CC89270
(100.00 ppm - 150.00 ppm) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 277.20
(50-60% of Span) Cylinder No.: CC28632
(250.00 ppm - 300.00 ppm) Expiration Date: 02/08/12

High-Level Calibration Gas Concentration: 438.00
(80-100% of Span) Cylinder No.: CC275542
(400.00 ppm - 500.00 ppm) Expiration Date: 07/14/12

Test Date: 03/25/11

Tester: Dan Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	13:23:40	128.40	13:28:40	280.90	13:33:41	439.00
Run 2	14:15:37	128.70	14:20:41	280.90	14:25:41	438.80
Run 3	14:53:37	128.30	14:58:41	280.20	15:03:45	438.10
Avg. Monitor Response		128.467		280.667		438.633
Linearity Error		2.4		1.3		0.1
Absolute Difference		3.0		3.5		0.6
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS} | \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} |}{\text{Cal. Gas Concentration}} \times 100$$

$$\text{Absolute Difference} = \text{ABS} | \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} |$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

Signature:

Print Name:

Danny L. Hintzman
Technician/Service Representative

Linearity Test Report - 2011Q1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 SO2 Low Audit Test Results Analyzer Span: 200.00 ppm

Mfr & Model: Thermo 43i

Serial Number: 0622717877

Low-Level Calibration Gas Concentration: 48.700
(20-30% of Span) Cylinder No.: CC89270
(40.000 ppm - 60.000 ppm) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 111.20
(50-60% of Span) Cylinder No.: CC28632
(100.00 ppm - 120.00 ppm) Expiration Date: 02/08/12

High-Level Calibration Gas Concentration: 178.80
(80-100% of Span) Cylinder No.: CC275542
(160.00 ppm - 200.00 ppm) Expiration Date: 07/14/12

Test Date: 03/25/11

Tester: Dan Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	13:23:40	50.800	13:28:40	113.90	13:33:41	179.10
Run 2	14:15:37	49.700	14:20:41	113.50	14:25:41	178.50
Run 3	14:53:37	49.400	14:58:41	112.90	15:03:45	177.30
Avg. Monitor Response		49.967		113.433		178.300
Linearity Error		2.6		2.0		0.3
Absolute Difference		1.3		2.2		0.5
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}}{\text{Cal. Gas Concentration}} \times 100$$

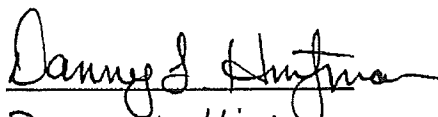
$$\text{Absolute Difference} = \text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

Signature:



Print Name:

Danny L. Hintzman

Technician/Service Representative

Linearity Test Report - 2011Q1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 SO2 High Audit Test Results Analyzer Span: 1500.0 ppm

Mfr & Model: Thermo 43i

Serial Number: 0622717877

Low-Level Calibration Gas Concentration: 378.30
(20-30% of Span) Cylinder No.: CC81480
(300.00 ppm - 450.00 ppm) Expiration Date: 03/12/12

Mid-Level Calibration Gas Concentration: 832.70
(50-60% of Span) Cylinder No.: CC62032
(750.00 ppm - 900.00 ppm) Expiration Date: 02/09/13

High-Level Calibration Gas Concentration: 1354.0
(80-100% of Span) Cylinder No.: CC24626
(1200.0 ppm - 1500.0 ppm) Expiration Date: 11/22/13

Test Date: 03/25/11

Tester: Dan Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	15:23:38	381.00	15:28:38	834.90	15:33:38	1355.6
Run 2	15:53:33	385.70	15:58:38	841.20	16:03:41	1355.6
Run 3	16:23:38	383.70	16:28:37	838.10	16:33:42	1347.9
Avg. Monitor Response		383.467		838.067		1353.03
Linearity Error		1.4		0.6		0.1
Absolute Difference		5.2		5.4		1.0
Test Status		Pass		Pass		Pass

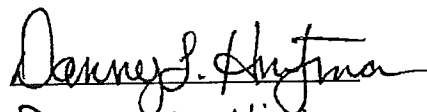
$$\text{Linearity Error} = \frac{\text{ABS | Cal. Gas Concentration - Avg. Monitor Response |} \times 100}{\text{Cal. Gas Concentration}}$$

$$\text{Absolute Difference} = \text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

Signature: 
Print Name: Danny L. Hintzman
Technician/Service Representative

Linearity Test Report - 2011Q1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 CO2 Audit Test Results Analyzer Span: 20.000 %

Mfr & Model: Thermo 410I

Serial Number: 0622717869

Low-Level Calibration Gas Concentration: 5.540
(20-30% of Span) Cylinder No.: CC89270
(4.000 % - 6.000 %) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 11.080
(50-60% of Span) Cylinder No.: CC28632
(10.000 % - 12.000 %) Expiration Date: 02/08/12

High-Level Calibration Gas Concentration: 17.600
(80-100% of Span) Cylinder No.: CC276542
(16.000 % - 20.000 %) Expiration Date: 07/14/12

Test Date: 03/25/11

Tester: Dan Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	13:23:40	5.560	13:28:40	11.070	13:33:41	17.600
Run 2	14:15:37	5.550	14:20:41	11.080	14:25:41	17.570
Run 3	14:53:37	5.540	14:58:41	11.060	15:03:45	17.570
Avg. Monitor Response		5.550		11.070		17.580
Linearity Error		0.2		0.1		0.1
Absolute Difference		0.0		0.0		0.0
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}}{\text{Cal. Gas Concentration}} \times 100$$

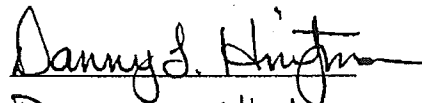
$$\text{Absolute Difference} = \text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

Signature:



Print Name:

Danny L. Hintzman

Technician/Service Representative

CGA Test Report - 2011Q1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 CO High Audit Test Results Analyzer Span: 500.0 ppm

Mfr & Model: Thermo 48i

Serial Number: 0622717887

Low-Level Calibration Gas Concentration: 124.1
(20-30% of Span) Cylinder No.: CC89270
(100.0 ppm - 150.0 ppm) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 273.7
(50-60% of Span) Cylinder No.: CC28632
(250.0 ppm - 300.0 ppm) Expiration Date: 02/08/12

Test Date: 03/25/11

Tester: Dan Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	13:23:40	122.8	13:28:40	272.8
Run 2	14:15:37	124.2	14:20:41	273.4
Run 3	14:53:37	123.6	14:58:41	273.4
Avg. Monitor Response		123.5		273.2
Calibration Error		-0.5		-0.2
Absolute Difference		0.6		0.5
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Danny L. Hintzman
Print Name: Danny L. Hintzman
Technician/Service Representative

CGA Test Report - 2011Q1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Bir 1 Inlet SO2 Audit Test Results Analyzer Span: 1500.0 ppm

Mfr & Model: Thermo 43i

Serial Number: 0622717879

Low-Level Calibration Gas Concentration: 378.3
(20-30% of Span) Cylinder No.: CC81480
(300.0 ppm - 450.0 ppm) Expiration Date: 03/12/12

Mid-Level Calibration Gas Concentration: 832.7
(50-60% of Span) Cylinder No.: CC62032
(750.0 ppm - 900.0 ppm) Expiration Date: 02/09/13

Test Date: 03/25/11

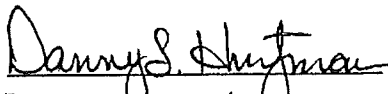
Tester: Dan Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	13:24:41	385.2	13:30:37	844.4
Run 2	14:16:41	388.7	14:22:40	840.5
Run 3	14:54:38	388.8	15:00:40	840.0
Avg. Monitor Response		387.6		841.6
Calibration Error		2.5		1.1
Absolute Difference		9.3		8.9
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature:



Print Name:

Danny L. Hintzman

Technician/Service Representative

CGA Test Report - 2011Q1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 Inlet CO2 Audit Test Results Analyzer Span: 20.00 %

Mfr & Model: Thermo 410I

Serial Number: 0622717873

Low-Level Calibration Gas Concentration: 5.54
(5.00% - 8.00%) Cylinder No.: CC81480
Expiration Date: 03/12/12

Mid-Level Calibration Gas Concentration: 11.09
(10.00% - 14.00%) Cylinder No.: CC62032
Expiration Date: 02/09/13

Test Date: 03/25/11

Tester: Dan Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	13:24:41	5.60	13:30:37	11.05
Run 2	14:16:41	5.61	14:22:40	11.02
Run 3	14:54:38	5.58	15:00:40	11.02
Avg. Monitor Response		5.60		11.03
Calibration Error		1.1		-0.5
Absolute Difference		0.06		0.06
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature:

Print Name:

Danny L. Hintzman

Technician/Service Representative

Linearity Test Report - 2011Q1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 NOx High Audit Test Results Analyzer Span: 500.00 ppm

Mfr & Model: Thermo 42i

Serial Number: 0623017967

Low-Level Calibration Gas Concentration: 125.50
(20-30% of Span) Cylinder No.: CC89270
(100.00 ppm - 150.00 ppm) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 277.20
(50-60% of Span) Cylinder No.: CC28632
(250.00 ppm - 300.00 ppm) Expiration Date: 02/08/12

High-Level Calibration Gas Concentration: 438.00
(80-100% of Span) Cylinder No.: CC275542
(400.00 ppm - 500.00 ppm) Expiration Date: 07/14/12

Test Date: 03/26/11

Tester: Dan Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	08:53:38	128.30	08:58:38	279.70	09:03:41	437.30
Run 2	09:23:38	128.50	09:28:42	279.90	09:33:37	438.10
Run 3	09:53:37	128.40	09:58:42	280.10	10:03:42	437.50
Avg. Monitor Response		128.400		279.900		437.633
Linearity Error		2.3		1.0		0.1
Absolute Difference		2.9		2.7		0.4
Test Status		Pass		Pass		Pass

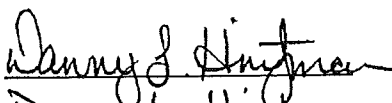
$$\text{Linearity Error} = \frac{\text{ABS} | \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} |}{\text{Cal. Gas Concentration}} \times 100$$

$$\text{Absolute Difference} = \text{ABS} | \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} |$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

Signature: 
Print Name: Danny L. Hintzman
Technician/Service Representative

Linearity Test Report - 2011Q1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 SO2 Low Audit Test Results Analyzer Span: 200.00 ppm

Mfr & Model: Thermo 43i

Serial Number: 0622717880

Low-Level Calibration Gas Concentration: 48.700
(20-30% of Span) Cylinder No.: CC89270
(40.000 ppm - 60.000 ppm) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 111.20
(50-60% of Span) Cylinder No.: CC28632
(100.00 ppm - 120.00 ppm) Expiration Date: 02/08/12

High-Level Calibration Gas Concentration: 178.80
(80-100% of Span) Cylinder No.: CC275542
(160.00 ppm - 200.00 ppm) Expiration Date: 07/14/12

Test Date: 03/26/11

Tester: Dan Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	08:53:38	49.600	08:58:38	112.90	09:03:41	175.70
Run 2	09:23:38	49.400	09:28:42	112.50	09:33:37	178.00
Run 3	09:53:37	48.800	09:58:42	111.60	10:03:42	177.90
Avg. Monitor Response		49.267		112.333		177.200
Linearity Error		1.2		1.0		0.9
Absolute Difference		0.6		1.1		1.6
Test Status		Pass		Pass		Pass

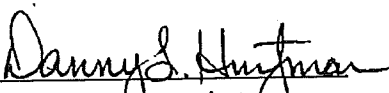
$$\text{Linearity Error} = \frac{\text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}}{\text{Cal. Gas Concentration}} \times 100$$

$$\text{Absolute Difference} = \text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

Signature: 

Print Name: Danny L. Hintzman
Technician/Service Representative

Linearity Test Report - 2011Q1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 SO2 High Audit Test Results Analyzer Span: 1500.0 ppm

Mfr & Model: Thermo 43I

Serial Number: 0622717880

Low-Level Calibration Gas Concentration: 378.30
(20-30% of Span) Cylinder No.: CC81480
(300.00 ppm - 450.00 ppm) Expiration Date: 03/12/12

Mid-Level Calibration Gas Concentration: 832.70
(50-60% of Span) Cylinder No.: CC62032
(750.00 ppm - 900.00 ppm) Expiration Date: 02/09/13

High-Level Calibration Gas Concentration: 1354.0
(80-100% of Span) Cylinder No.: CC24626
(1200.0 ppm - 1500.0 ppm) Expiration Date: 11/22/13

Test Date: 03/26/11

Tester: Dan Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	10:23:38	385.50	10:28:41	840.90	10:33:43	1353.8
Run 2	10:53:39	388.80	10:58:42	838.80	11:03:42	1348.7
Run 3	11:23:38	385.10	11:28:39	842.70	11:33:39	1356.3
Avg. Monitor Response		386.467		840.800		1352.93
Linearity Error		2.2		1.0		0.1
Absolute Difference		8.2		8.1		1.1
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS | Cal. Gas Concentration - Avg. Monitor Response |} \times 100}{\text{Cal. Gas Concentration}}$$

$$\text{Absolute Difference} = \text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm
Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %
Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

Signature: Danny L. Hintzman
Print Name: Danny L. Hintzman
Technician/Service Representative

Linearity Test Report - 2011Q1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 CO2 Audit Test Results Analyzer Span: 20.000 %

Mfr & Model: Thermo 410i

Serial Number: 0622717874

Low-Level Calibration Gas Concentration: 5.540
(20-30% of Span) Cylinder No.: CC89270
(4.000 % - 6.000 %) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 11.080
(50-60% of Span) Cylinder No.: CC28632
(10.000 % - 12.000 %) Expiration Date: 02/08/12

High-Level Calibration Gas Concentration: 17.600
(80-100% of Span) Cylinder No.: CC275542
(16.000 % - 20.000 %) Expiration Date: 07/14/12

Test Date: 03/26/11

Tester: Dan Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	08:53:38	5.540	08:58:38	11.080	09:03:41	17.590
Run 2	09:23:38	5.550	09:28:42	11.080	09:33:37	17.610
Run 3	09:53:37	5.550	09:58:42	11.090	10:03:42	17.610
Avg. Monitor Response		5.547		11.083		17.603
Linearity Error		0.1		0.0		0.0
Absolute Difference		0.0		0.0		0.0
Test Status		Pass		Pass		Pass

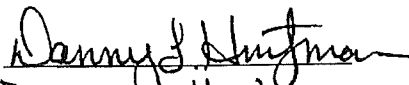
$$\text{Linearity Error} = \frac{\text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}}{\text{Cal. Gas Concentration}} \times 100$$

$$\text{Absolute Difference} = \text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

Signature: 

Print Name: Danny L. Hintzman
Technician/Service Representative

CGA Test Report - 2011Q1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 CO High Audit Test Results Analyzer Span: 500.0 ppm

Mfr & Model: Thermo 48I

Serial Number: 0622717888

Low-Level Calibration Gas Concentration: 124.1
(20-30% of Span) Cylinder No.: CC89270
(100.0 ppm - 150.0 ppm) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 273.7
(50-60% of Span) Cylinder No.: CC28632
(250.0 ppm - 300.0 ppm) Expiration Date: 02/08/12

Test Date: 03/26/11

Tester: Dan Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	08:53:38	122.2	08:58:38	275.8
Run 2	09:23:38	121.0	09:28:42	272.6
Run 3	09:53:37	123.4	09:58:42	275.8
Avg. Monitor Response		122.2		274.7
Calibration Error		-1.5		0.4
Absolute Difference		1.9		1.0
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature:

Print Name:

Danny L. Hintzman

Danny L. Hintzman

Technician/Service Representative

CGA Test Report - 2011Q1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 Inlet SO2 Audit Test Results Analyzer Span: 1500.0 ppm

Mfr & Model: Thermo 43i

Serial Number: 0622717883

Low-Level Calibration Gas Concentration: 378.3
 (20-30% of Span) Cylinder No.: CC81480
 (300.0 ppm - 450.0 ppm) Expiration Date: 03/12/12

Mid-Level Calibration Gas Concentration: 832.7
 (50-60% of Span) Cylinder No.: CC62032
 (750.0 ppm - 900.0 ppm) Expiration Date: 02/09/13

Test Date: 03/26/11

Tester: Dan Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	08:54:37	385.4	09:00:38	831.8
Run 2	09:24:37	388.5	09:30:38	836.7
Run 3	09:54:37	387.0	10:00:42	837.5
Avg. Monitor Response		387.0		835.3
Calibration Error		2.3		0.3
Absolute Difference		8.7		2.6
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature:

Danny L. Hintzman

Print Name:

Danny L. Hintzman

Technician/Service Representative

CGA Test Report - 2011Q1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 Inlet CO2 Audit Test Results Analyzer Span: 20.00 %

Mfr & Model: Thermo 410i

Serial Number: 0622717875

Low-Level Calibration Gas Concentration: 5.54
(5.00% - 8.00%) Cylinder No.: CC81480
Expiration Date: 03/12/12

Mid-Level Calibration Gas Concentration: 11.09
(10.00% - 14.00%) Cylinder No.: CC62032
Expiration Date: 02/09/13

Test Date: 03/26/11

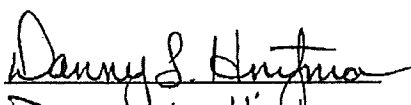
Tester: Dan Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	08:54:37	5.57	09:00:38	11.09
Run 2	09:24:37	5.55	09:30:38	11.08
Run 3	09:54:37	5.55	10:00:42	11.12
Avg. Monitor Response		5.56		11.10
Calibration Error		0.4		0.1
Absolute Difference		0.02		0.01
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature:



Print Name:

Danny L. Hintzman

Technician/Service Representative

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Customer: K06 - CADILLAC
 Part Number: E05NI94E15A3992
 Cylinder Number: CC89270
 Laboratory: MIC - Royal Oak-32 - MI
 Analysis Date: Feb 08, 2010

Reference Number: 32-112020314-2
 Cylinder Volume: 147 Cu.Ft.
 Cylinder Pressure: 2015 PSIG
 Valve Outlet: 660

Expiration Date: Feb 08, 2012

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
 Do Not Use This Cylinder below 150 psig, i.e. 1 Mega Pascal

ANALYTICAL RESULTS				
Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	50.00 PPM	48.70 PPM	G1	+/- 1% NIST Traceable
CARBON MONOXIDE	125.0 PPM	124.1 PPM	G1	+/- 1% NIST Traceable
NITRIC OXIDE	125.0 PPM	125.5 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	5.500 %	5.538 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

Total oxides of nitrogen

125.5 PPM

For Reference Only

CALIBRATION STANDARDS				
Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	08061508	CC254776	94.67PPM SULFUR DIOXIDE/NITROGEN	Oct 15, 2012
NTRM	08060331	CC255637	250.0PPM CARBON MONOXIDE/NITROGEN	May 15, 2012
NTRM	08060614	CC282133	9.921% CARBON DIOXIDE/NITROGEN	Apr 10, 2013
NTRM	09060332	CC286985	250.6PPM NITRIC OXIDE/NITROGEN	Feb 01, 2011

ANALYTICAL EQUIPMENT		
Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 10% CO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 14, 2010
E/N 147, 500ppmFS CO, Horiba via-510	Nondispersive Infrared (NDIR)	Feb 01, 2010
E/N 54, 250ppmFS NO, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010
E/N 54, 100ppmFS SO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010

Triad Data Available Upon Request

Notes:

Signature on file

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Customer:	K06 - CADILLAC	Reference Number:	32-112020314-1
Part Number:	E05NI88E15A3993	Cylinder Volume:	151 Cu.Ft.
Cylinder Number:	CC28632	Cylinder Pressure:	2015 PSIG
Laboratory:	MIC - Royal Oak-32 - MI	Valve Outlet:	660
Analysis Date:	Feb 08, 2010		

Expiration Date: Feb 08, 2012

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig, i.e. 1 Mega Pascal

ANALYTICAL RESULTS				
Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	110.0 PPM	111.2 PPM	G1	+/- 1% NIST Traceable
CARBON MONOXIDE	275.0 PPM	273.7 PPM	G1	+/- 1% NIST Traceable
NITRIC OXIDE	275.0 PPM	276.9 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	11.00 %	11.08 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

Total oxides of nitrogen

277.2 PPM

For Reference Only

CALIBRATION STANDARDS				
Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	06060345	CC207589	490.0PPM NITRIC OXIDE/NITROGEN	Jan 01, 2016
NTRM	08061609	CC254807	247.0PPM SULFUR DIOXIDE/NITROGEN	Oct 15, 2012
NTRM	08060331	CC255637	250.0PPM CARBON MONOXIDE/NITROGEN	May 15, 2012
NTRM	97051201	SG9169482BAL	15.862% CARBON DIOXIDE/NITROGEN	May 01, 2010
NTRM	09060402	CC274097	501.3PPM CARBON MONOXIDE/NITROGEN	Feb 01, 2013

ANALYTICAL EQUIPMENT		
Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 16% CO ₂ , Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 14, 2010
E/N 147, 500ppmFS CO, Horiba via-510	Nondispersive Infrared (NDIR)	Feb 01, 2010
E/N 54, 1000 ppmFS NO, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010
E/N 54, 250ppmFS SO ₂ , Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010

Triad Data Available Upon Request

Notes:

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Customer:	CADILLAC	Reference Number:	32-112102371-1
Part Number:	E05NI82E15A3991	Cylinder Volume:	155 Cu.Ft.
Cylinder Number:	CC275542	Cylinder Pressure:	2015 PSIG
Laboratory:	MIC - Royal Oak-32 - MI	Valve Outlet:	660
Analysis Date:	Jul 14, 2010		

Expiration Date: Jul 14, 2012

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig, i.e. 1 Mega Pascal

ANALYTICAL RESULTS				
Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	180.0 PPM	178.8 PPM	G1	+/- 1% NIST Traceable
CARBON MONOXIDE	425.0 PPM	422.0 PPM	G1	+/- 1% NIST Traceable
NITRIC OXIDE	437.0 PPM	438.0 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	17.50 %	17.60 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

Total oxides of nitrogen

438.0 PPM

For Reference Only

CALIBRATION STANDARDS				
Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	08081609	CC254807	247.0PPM SULFUR DIOXIDE/NITROGEN	Oct 15, 2012
NTRM	10060403	CC267900	495.6PPM NITRIC OXIDE/NITROGEN	Feb 01, 2016
NTRM	09060428	CC286784	501.3PPM CARBON MONOXIDE/NITROGEN	Feb 01, 2013
NTRM	04060402	XC034387B	19.84% CARBON DIOXIDE/NITROGEN	May 15, 2012

ANALYTICAL EQUIPMENT		
Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 20% FS CO ₂ , Nicolet 6700	Fourier Transform Infrared (FTIR)	Jun 07, 2010
E/N 173, 1500ppmFS CO, Siemens Ultramat 6	Nondispersive Infrared (NDIR)	Jul 01, 2010
E/N 54, 1000 ppmFS NO, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jul 01, 2010
E/N 54, 250ppmFS SO ₂ , Nicolet 6700	Fourier Transform Infrared (FTIR)	Jul 01, 2010

Triad Data Available Upon Request

Notes:

Signature on file

SPAN 4

Airgas

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Customer:	CADILLAC	Reference Number:	32-112037602-1
Part Number:	E03NI94E15A3994	Cylinder Volume:	147 Cu.Ft.
Cylinder Number:	CC81480	Cylinder Pressure:	2015 PSIG
Laboratory:	MIC - Royal Oak-32 - MI	Valve Outlet:	660
Analysis Date:	Mar 12, 2010		

Expiration Date: Mar 12, 2012

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1987)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 160 psig, i.e. 1 Mega Pascal

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	375.0 PPM	378.3 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	5.500 %	5.541 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	07120308	CC240073	498.2PPM SULFUR DIOXIDE/NITROGEN	May 01, 2011
NTRM	09060614	CC262133	9.921% CARBON DIOXIDE/NITROGEN	Apr 10, 2013

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 10% CO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Feb 11, 2010
E/N 54, 1000ppmFS SO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Mar 08, 2010

Triad Data Available Upon Request

Notes:

Signature on file

QA Approval

SPAN 5

Airgas

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Customer: CADILLAC
 Part Number: E03NI88E15A0328
 Cylinder Number: CC62032
 Laboratory: MIC - Royal Oak-32 - MI
 Analysis Date: Feb 09, 2010
 Reference Number: 32-112020322-1
 Cylinder Volume: 151 Cu.Ft.
 Cylinder Pressure: 2015 PSIG
 Valve Outlet: 660

Expiration Date: Feb 09, 2013

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
 Do Not Use This Cylinder below 150 psig. i.e. 1 Mega Pascal

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	825.0 PPM	832.7 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	11.00 %	11.09 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	06061228	CC206083	983.2PPM SULFUR DIOXIDE/NITROGEN	Sep 01, 2010
NTRM	97051201	SG9169482BAL	15.862% CARBON DIOXIDE/NITROGEN	May 01, 2010

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 16% CO ₂ , Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 14, 2010
E/N 54, 1000ppmFS SO ₂ , Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010

Triad Data Available Upon Request

Notes:

Signature on file

QA Approval

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Customer: CADILLAC
 Part Number: E03NI82E15A3990
 Cylinder Number: CC24626
 Laboratory: MIC - Royal Oak-32 - MI
 Analysis Date: Nov 22, 2010
 Reference Number: 32-112174411-1
 Cylinder Volume: 165 Cu.Ft.
 Cylinder Pressure: 2015 PSIG
 Valve Outlet: 660
 Expiration Date: Nov 22, 2013

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
 Do Not Use This Cylinder below 150 psig, i.e. 1 Mega Pascal

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	1350 PPM	1354 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	17.50 %	17.61 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	00051515	SG9145342BAL	3041PPM SULFUR DIOXIDE/NITROGEN	Aug 15, 2013
NTRM	04060410	XC034311B	19.84% CARBON DIOXIDE/NITROGEN	May 15, 2012

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 20% FS CO ₂ , Nicolet 6700	Fourier Transform Infrared (FTIR)	Oct 27, 2010
E/N 54, 4800ppmFS SO ₂ , Nicolet 6700	Fourier Transform Infrared (FTIR)	Nov 17, 2010

Triad Data Available Upon Request

Notes:

Signature on file

QA Approval

JMP 4-28-11

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>	<p>A. Signature <div style="text-align: center;">x <i>D Jackson</i></div> <div style="text-align: right;"><input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</div> </p> <p>B. Received by (Printed Name) <div style="text-align: center;"><i>D Jackson</i></div> </p> <p>C. Date of Delivery <div style="text-align: center;"><i>5-2-11</i></div> </p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No </p>
<p>1. Article Addressed to:</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Mr. Shane Nixon DEQ- Air Division 120 W. Chapin Street Cadillac, MI 49601-2158</p> </div>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. </p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label) <u>7010 0290 0001 2572 6097</u></p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-15</p>	

JMP 4-28-11

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>	<p>A. Signature <div style="text-align: center;">X</div> <div style="text-align: right;"><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</div> </p> <p>B. Received by (Printed Name) <div style="text-align: center;"><i>JEREMY HALL</i></div> </p> <p>C. Date of Delivery <div style="text-align: center;"><i>APR 29 2011</i></div> </p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No </p>
<p>1. Article Addressed to:</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Ms. Karen Kajiya-Mills Michigan DEQ – Air Quality Division Constitution Hall, 3rd Floor North 525 West Allegan Street P.O. Box 30260 Lansing, MI 48909-7973</p> </div>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. </p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label) <u>7010 0290 0001 2572 6103</u></p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-154</p>	

July 29, 2011

Mr. Shane Nixon
Department of Environmental Quality
Air Quality Division
120 W. Chapin Street
Cadillac, MI 49601-2158

SUBJECT: SECOND QUARTER 2011 EMISSIONS MONITORING REPORT

Dear Mr. Nixon:

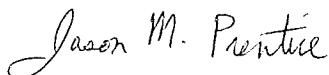
Enclosed is the Second Quarter 2011 emissions monitoring report for Boilers No. 1 and No. 2 at the T.E.S. Filer City Station (Renewable Operating Permit No. ROP MI-ROP-N1685-2008a). The report includes all information required under Federal Standards of Performance for New Stationary Sources (40 CFR 60, Subparts A, Da, and Appendix F).

This quarterly report contains the Excess Emissions Reports (EERs) and Summary Reports for Boilers No. 1 and No. 2. The report also includes the results of linearity tests conducted in accordance with 40 CFR Part 75, Appendices A and B (all outlet CEMS other than CO), and cylinder gas audits (CGAs) conducted in accordance with 40 CFR Part 60, Appendix F (inlet CEMS and outlet CO CEMS). The associated Certificates of Analysis for the calibration gases used in the linearity tests and CGAs are also included within this quarterly report.

No construction/demolition (C/D) materials were fired in Boilers No. 1 and No. 2 during the 2nd quarter of 2011. In accordance with the currently approved C/D Waste Wood Monitoring Plan, the facility has discontinued submitting a summary of C/D waste wood sampling and inspection activities on a quarterly basis. An annual C/D summary report will be included with the quarterly report submitted for the 4th quarter of 2011.

Please contact me at (517) 788-1467 or Mr. Richard Brown of TES Filer City Station at (231) 723-6573, Extension 114, if you have any questions or require further information concerning the contents of this submittal.

Sincerely,



Jason Prentice
Environmental Planner
Consumers Energy Company

cc: Richard Brown, TES Filer City Station
Karen Kajiya-Mills, MDEQ-AQD
Filer City Compliance File-Q, SA, A File



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

**RENEWABLE OPERATING PERMIT
REPORT CERTIFICATION**

Authorized by 1994 P.A. 451, as amended. Failure to provide this information may result in civil and/or criminal penalties.

Reports submitted pursuant to R 336.1213 (Rule 213), subrules (3)(c) and/or (4)(c), of Michigan's Renewable Operating Permit (ROP) program must be certified by a responsible official. Additional information regarding the reports and documentation listed below must be kept on file for at least 5 years, as specified in Rule 213(3)(b)(ii), and be made available to the Department of Environmental Quality, Air Quality Division upon request.

Source Name T.E.S. Filer City Station County Manistee

Source Address P.O. Box 12 / 700 Mee Street City Filer City

AQD Source ID (SRN) N1685 ROP No. MI-ROP-N1685-2008a ROP Section No. N/A

Please check the appropriate box(es):

☐ **Annual Compliance Certification (Pursuant to Rule 213(4)(c))**

Reporting period (provide inclusive dates): From _____ To _____

- ☐ 1. During the entire reporting period, this source was in compliance with **ALL** terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference. The method(s) used to determine compliance is/are the method(s) specified in the ROP.
- ☐ 2. During the entire reporting period this source was in compliance with all terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference, **EXCEPT** for the deviations identified on the enclosed deviation report(s). The method used to determine compliance for each term and condition is the method specified in the ROP, unless otherwise indicated and described on the enclosed deviation report(s).

☐ **Semi-Annual (or More Frequent) Report Certification (Pursuant to Rule 213(3)(c))**

Reporting period (provide inclusive dates): From _____ To _____

- ☐ 1. During the entire reporting period, **ALL** monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred.
- ☐ 2. During the entire reporting period, all monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred, **EXCEPT** for the deviations identified on the enclosed deviation report(s).

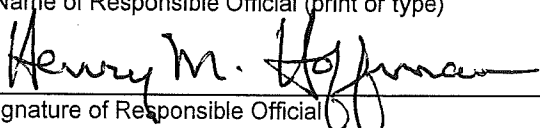
☒ **Other Report Certification**

Reporting period (provide inclusive dates): From 04/01/2011 To 06/30/2011

Additional monitoring reports or other applicable documents required by the ROP are attached as described:

Boilers 1 and 2 Quarterly Report for the 2nd Quarter of 2011 (April – June).

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this report and the supporting enclosures are true, accurate and complete

Henry M. Hoffman	General Manager	231-723-6573
Name of Responsible Official (print or type)	Title	Phone Number
		7-28-11
Signature of Responsible Official		Date

T.E.S. FILER CITY STATION

CONTINUOUS EMISSION MONITORING QUARTERLY REPORT

SUBPART Da
(NSPS SOURCES)

Year 2011

Report Period Ending: March 31 ____ June 30 X Sept. 30 ____ Dec. 31 ____

I. GENERAL INFORMATION

1. Source: T.E.S. FILER CITY STATION
2. Address: 700 MEE STREET
FILER CITY, MICHIGAN 49634
3. Plant Phone Number: (231) 723-6573
4. Affected Facility: BOILER #1 X BOILER #2 X
5. Control Device(s): GEESI/DRY FLUE GAS DESULFERIZATION SYSTEM
GEESI/FABRIC FILTER BAGHOUSES
6. Fuel Type: Coal/Wood/TDF/Petroleum Coke/Construction & Demolition (C/D) Waste
(NOTE: Although allowed by permit, C/D wastes were not fired during the quarter)
7. Person Completing Report

(Print) Jason M. Prentice

(Signature) Jason M. Prentice

(Date) 7-29-11

This is to certify that, to the best of my knowledge, the information provided on these forms is correct and accurate.

8. Person Responsible For Review and Integrity of Report:

(Print) Henry M. Hoffman

(Signature) Henry M. Hoffman

(Date) 7-28-11

T.E.S. FILER CITY STATION

II. CONTINUOUS MONITOR OPERATIONAL DATA

	# 1 OPACITY	# 2 OPACITY	INLET #1 SO2	INLET #2 SO2	STACK #1 SO2	STACK #2 SO2	STACK #1 NOx	STACK #2 NOx	STACK #1 CO	STACK #2 CO	INLET # 1 CO2	INLET # 2 CO2	STACK # 1 CO2	STACK # 2 CO2
1. MFG:	Durag, Inc.	Durag, Inc.	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹
2. MODEL NO:	D-R 290	D-R 290	43i	43i	43i	43i	42i	42i	48i	48i	410i	410i	410i	410i
3. SERIAL NO:	425692	425693	0622717879	0622717883	0622717877	0622717880	0623017966	0623017967	0622717887	0622717888	0622717873	0622717875	0622717869	0622717874
4. Basis for Gas Measurement (wet or dry)	N / A	N / A	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET
5. F-Factor Used	N / A	N / A	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	N / A	N / A	N / A	N / A

¹ T. E. I. standards for Thermo Environmental Instruments, Inc.

6. F-Factor Method: Fuel Analyses and Method 19, Equation 19-15 and/or Method 19, Table 19-2. Please note that the fuel factors are unit specific and are based upon the relative amounts (on a heat input basis) of coal, wood, petroleum coke and tire-derived-fuel (TDF) that are fired within a given time period.

7. Ave. Time	6 Minute	6 Minute	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour
--------------	----------	----------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

8. Zero/Span Values														
ZERO	0 %	0 %	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 %	0 %	0 %	0 %
SPAN	45 %	45 %	2,000 PPM	2,000 PPM	H: 1,500 PPM ¹ L: 200 PPM ¹	H: 1,500 PPM ¹ L: 200 PPM ¹	500 PPM	500 PPM	500 PPM	500 PPM	20.0 %	20.0 %	20.0 %	20.0 %

¹ The span values for the SO₂ Stack CEMS were revised from 2,000 ppm for the high span and 500 ppm for the low span just prior to the September 2008 Part 75 certification tests. The revised high and low span values were determined in accordance with sections 2.1.1.3 and 2.1.1.4 of Appendix A to 40 CFR Part 75.

T.E.S. FILER CITY STATION

II. CONTINUOUS MONITOR OPERATIONAL DATA

9. Date of Last Performance Specification Test Passed	Monitoring System	RATA	7-Day Calibration Drift Test	Cycle-time Test	COMS Field Audit Test	COMS 168-hr Operational Test
	Boiler 1 Gas CEMS	09/21/2010	10/31/2006 (Stk SO ₂ = 09/25/08)	10/18/2006 (Stk SO ₂ = 10/03/08)	N/A	N/A
	Boiler 1 COMS	N/A	N/A	N/A	09/27/2010	10/26/2006
	Boiler 2 Gas CEMS	09/22/2010	10/31/2006 (Stk SO ₂ = 09/25/08)	10/23/2006 (Stk SO ₂ = 10/03/08)	N/A	N/A
	Boiler 2 COMS	N/A	N/A	N/A	09/27/2010	11/01/2006

10. Modification Since Last PST Date (10-06; 9-08)	# 1 OPACITY	# 2 OPACITY	INLET #1 SO2	INLET #2 SO2	STACK #1 SO2	STACK #2 SO2	STACK #1 NOx	STACK #2 NOx	STACK #1 CO	STACK #2 CO	INLET # 2 CO2	INLET # 2 CO2	STACK #1 CO2	STACK # 2 CO2
	NONE	NONE	NONE	NONE	NONE (Changed high & low span values)	NONE (Changed high & low span values)	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

11. Emission Limits (Averaging Period)	10 % (6-Min)	10 % (6-Min)	N / A	N / A	0.7 lb/mm Btu (24-Hr) 0.5 lb/mm Btu (30-Day)	0.7 lb/mm Btu (24-Hr) 0.5 lb/mm Btu (30-Day)	0.6 lb/mm Btu (30-Day)	0.6 lb/mm Btu (30-Day)	0.3 lb/mm Btu (24-Hour)	0.3 lb/mm Btu (24-Hour)	N / A	N / A	N / A	N / A
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T.E.S. FILER CITY STATION**III. MONITORING AND COMPLIANCE SUMMARY (per 40 CFR 60.51a(h))**

	<u>YES</u>	<u>NO</u>	<u>REF.</u>
1. Were the required continuous monitoring systems calibrated, span, and drift checks or other periodic audits performed as specified?	<u>X</u>	<u> </u>	<u> </u>
2. Were the data used to show compliance obtained in accordance with approved methods and procedures of Subpart Da?	<u>X</u>	<u> </u>	<u> </u>
3. Are the data representative of plant performance?	<u>X</u>	<u> </u>	<u> </u>
4. Were the minimum data requirements met? If no, were they not met due to unavoidable errors?	<u>X</u>	<u> </u>	<u> </u>
5. Was compliance with the standards achieved during the reporting period?	<u> </u>	<u>X</u>	<u> </u>

Boiler #1

SO ₂ Stack Limit 0.7 lb/MMBTU 24 Hour	<u> </u>	<u>X</u>	<u> </u>
SO ₂ Stack Limit 0.5 lb/MMBTU 30 Day	<u>X</u>	<u> </u>	<u> </u>
SO ₂ 90% Reduction 30 Day	<u>X</u>	<u> </u>	<u> </u>
NO _x Stack Limit 0.6 lb/MMBTU 30 Day	<u>X</u>	<u> </u>	<u> </u>
Opacity Limit >10% 6 Minute Average	<u> </u>	<u>X</u>	<u> </u>

Boiler #2

SO ₂ Stack Limit 0.7 lb/MMBTU 24 Hour	<u> </u>	<u>X</u>	<u> </u>
SO ₂ Stack Limit 0.5 lb/MMBTU 30 Day	<u>X</u>	<u> </u>	<u> </u>
SO ₂ 90% Reduction 30 Day	<u>X</u>	<u> </u>	<u> </u>
NO _x Stack Limit 0.6 lb/MMBTU 30 Day	<u>X</u>	<u> </u>	<u> </u>
Opacity Limit >10% 6 Minute Average	<u> </u>	<u>X</u>	<u> </u>

V. EXCESS EMISSION REPORT - SO₂ AND NO_xCEM\2nd QTR11

File: 001-008-020-1-5

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T.E.S. FILER CITY STATION

SO₂ EVENTS (30 Day Rolling Average Limit of 0.5 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

SO₂ EVENTS (24 Hour Average Limit of 0.7 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
04/12/11 (Hrs 00-06 and 18-23)	1	0.8	Boiler was shut down following a tube leak (in order to make needed repairs). Boiler was then started back up following completion of repairs. The SO ₂ dry scrubber had to be bypassed during startup to pre-warm the baghouse & maintain the required minimum inlet temperature.	Followed the Maintenance Management Plan (MMP); boiler & baghouse were brought up to full operating temp. as quickly as possible during the startup; scrubber was removed from (during shutdown) and placed into (during startup) service per manufacturer recommendations. Note: The SO ₂ emission rate after application of a diluent cap is less than the limit of 0.7 lb/mmBtu.
04/21/11 (Hrs 00-23)	1	0.8	Scrubber atomizer tripped the main breaker. Upon attempted re-start of the equipment, there was a short which caused both a 400 amp breaker and the starter for the atomizer motor to fail.	Plant maintenance crews were called in, repairs were made as expeditiously as possible, and the scrubber was placed back into service. The scrubber was lost in Hr 16:00 and was returned to service in Hr 22:00.
05/17/11 (Hrs 18-23)	1	1.4	Boiler startup following shutdown for a scheduled routine maintenance outage. During startup, a rupture disk on the condenser failed, and the boiler was taken off-line for repairs and was then brought back online later the same day. SO ₂ dry scrubber had to be bypassed to pre-warm the baghouse & maintain the required minimum inlet temperature.	Followed the Maintenance Management Plan (MMP); boiler & baghouse were brought up to full operating temp. as quickly as possible; scrubber was placed into service per manufacturer recommendations. Note: The SO ₂ emission rate after application of a diluent cap did not exceed the limit of 0.7 lb/mmBtu.

T.E.S. FILER CITY STATION**SO₂ EVENTS (24 Hour Average Limit of 0.7 lb/MMBTU), Continued**

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
05/18/11 (Hrs 17-23)	2	1.0	Boiler startup following shutdown for a scheduled routine maintenance outage; SO ₂ dry scrubber had to be bypassed to pre-warm the baghouse & maintain the required minimum inlet temperature.	Followed the Maintenance Management Plan (MMP); boiler & baghouse were brought up to full operating temp. as quickly as possible; scrubber was placed into service per manufacturer recommendations. Note: The SO ₂ emission rate after application of a diluent cap is less than the limit of 0.7 lb/mmBtu.

SO₂ EVENTS (30 Day Rolling Average Limit of SO₂ Percent Reduction: Limit=90%)

Date(s) Occurred	Boiler No.	Value (% removal)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

NO_x EVENTS (30 Day Rolling Average Limit of 0.60 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

OPACITY EVENTS (Excess Emission Notification >10%, 6-Min. Average, for ≥ 2 Hours)

Date(s) Occurred	Boiler No.	Value (% opacity)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

NOTE: All six minute periods during which the average opacity exceeds 10% are identified in the attached monthly "Excess Emissions Report" for Boiler #1 and Boiler #2.

T.E.S. FILER CITY STATION

VI. QUALITY ASSURANCE DATA

1a. OUT-OF-CONTROL ASSESSMENT INFORMATION

BOILER # 1

INLET CO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717873	None	N / A	N / A

STACK CO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717869	None	N / A	N / A

INLET SO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717879	None	N / A	N / A

STACK SO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717877	None	N / A	N / A

T.E.S. FILER CITY STATION**STACK NO_x METER**

Meter	Date(s) Occurred	Description	Corrective Action
TEI 42i – 0623017966	None	N / A	N / A

OPACITY METER

Meter	Date(s) Occurred	Description	Corrective Action
D-R 290 – 425692	None	N / A	N / A

2a. Other operating days for which data has not been obtained (18 hrs) or excluded from calculation of average emission rates:

Boiler #1

Date(s) Occurred	Description	Corrective Action
None	N / A	N / A

3a. OUT-OF-CONTROL ASSESSMENT INFORMATION

Any Boiler 1 CEMS and COMS out-of-control (OOC) periods are generally associated with equipment replacements or excessive calibration drift (CD) error, and they are summarized in Section VI.1a of this report. During this quarter, there were no OOC periods associated with Relative Accuracy Test Audits (RATAs), Cylinder Gas Audits (CGAs), Linearity Tests or CD Error Tests.

When applicable, the duration of each OOC period or other periods of downtime are summarized in the quarterly report document titled "Downtime Report". The information provided in Section VI.1a of this report provides a summary of the OOC period corrective actions. When required, the corrective actions result in the CDs (or relative accuracies) being within the allowed limits.

T.E.S. FILER CITY STATION**1b. OUT-OF-CONTROL ASSESSMENT INFORMATION****BOILER # 2****INLET CO₂ METER**

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717875	4/04/11 (Hrs 18 – 22)	Analyzer failed the daily calibration error test due to failure of the internal analyzer pump.	Internal analyzer pump was replaced and a passing calibration error test was then completed.

STACK CO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717874	None	N / A	N / A

INLET SO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717883	4/04/11 (Hrs 18 – 22)	Analyzer failed the daily calibration error test due to failure of the internal analyzer pump.	Internal analyzer pump was replaced and a passing calibration error test was then completed.

STACK SO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717880	None	N / A	N / A

T.E.S. FILER CITY STATION**STACK NO_x METER**

Meter	Date(s) Occurred	Description	Corrective Action
TEI 42i – 0623017967	None	N / A	N / A

OPACITY METER

Meter	Date(s) Occurred	Description	Corrective Action
D-R 290 – 425693	None	N / A	N / A

2b. Other operating days for which data has not been obtained (18 hrs) or excluded from calculation of average emission rates:

Boiler #2

Date(s) Occurred	Description	Corrective Action
None	N / A	N / A

3b. OUT-OF-CONTROL ASSESSMENT INFORMATION

Any Boiler 2 CEMS and COMS out-of-control (OOC) periods are generally associated with equipment replacements or excessive calibration drift (CD) error, and they are summarized in Section VI.1b of this report. During this quarter, there were no OOC periods associated with Relative Accuracy Test Audits (RATAs), Cylinder Gas Audits (CGAs) or Linearity Tests. However, there was one OOC period for each gas analyzer during this quarter (associated with excessive calibration error drift). Descriptions of the cause(s) of these OOC periods are contained in Section VI.1b of this report.

When applicable, the duration of each OOC period or other periods of downtime are summarized in the quarterly report document titled "Downtime Report". The information provided in Section VI.1b of this report provides a summary of the OOC period corrective actions. When required, the corrective actions result in the CDs (or relative accuracies) being within the allowed limits.

T.E.S. FILER CITY STATION

4. Full Scale Exceedance: Identification of times when pollutant concentration exceeds full span of the continuous monitoring system.

Date(s) Occurred	Boiler No.	Description	Corrective Action
None	1	N / A	N / A
None	2	N / A	N / A

TES FILER CITY STATION AIR EMISSION SUMMARY

APRIL 2011

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE									NITROGEN OXIDES		
				<24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			<30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			>90% SO2 REDUCTION LIMIT 30 DAY AVE			<30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	43158 /	43200	99.90%	668.0 /	705.0	94.75%	705.0 /	705.0	100.00%	705.0 /	705.0	100.00%	705.0 /	705.0	100.00%
YTD			99.93%			98.62%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	43116 /	43176	99.86%	705.0 /	705.0	100.00%	705.0 /	705.0	100.00%	705.0 /	705.0	100.00%	705.0 /	705.0	100.00%
YTD			99.61%			99.53%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH

24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING

ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

APR

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**TES FILER CITY STATION
AIR EMISSION SUMMARY**

MAY 2011

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU >90% SO2 REDUCTION LIMIT 30 DAY AVE									NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
BOILER #1															
MONTH	43584 /	43584	100.00%	695.0 /	701.0	99.14%	701.0 /	701.0	100.00%	701.0 /	701.0	100.00%	701.0 /	701.0	100.00%
YTD			99.94%			98.72%			100.00%			100.00%			100.00%
BOILER #2															
MONTH	43992 /	44034	99.90%	704.0 /	711.0	99.02%	711.0 /	711.0	100.00%	711.0 /	711.0	100.00%	711.0 /	711.0	100.00%
YTD			99.67%			99.42%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH

24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING

ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

MAY

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**TES FILER CITY STATION
AIR EMISSION SUMMARY**

JUNE 2011

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU									NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
BOILER #1															
MONTH	43194 /	43200	99.99%	718.0 /	718.0	100.00%	718.0 /	718.0	100.00%	718.0 /	718.0	100.00%	718.0 /	718.0	100.00%
YTD			99.95%			98.94%			100.00%			100.00%			100.00%
BOILER #2															
MONTH	43146 /	43200	99.88%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%
YTD			99.70%			99.52%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH

24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING

ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

JUN

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TES FILER CITY STATION AIR EMISSION SUMMARY

2nd QUARTER 2011

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE									NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
				<24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			<30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			>90% SO2 REDUCTION LIMIT 30 DAY AVE					
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
APR	43158 /	43200	99.90%	668.0 /	705.0	94.75%	705.0 /	705.0	100.00%	705.0 /	705.0	100.00%	705.0 /	705.0	100.00%
MAY	43584 /	43584	100.00%	695.0 /	701.0	99.14%	701.0 /	701.0	100.00%	701.0 /	701.0	100.00%	701.0 /	701.0	100.00%
JUN	43194 /	43200	99.99%	718.0 /	718.0	100.00%	718.0 /	718.0	100.00%	718.0 /	718.0	100.00%	718.0 /	718.0	100.00%
2 nd Quarter	129936 /	129984	99.96%	2,081.0 /	2,124.0	97.98%	2,124.0 /	2,124.0	100.00%	2,124.0 /	2,124.0	100.00%	2,124.0 /	2,124.0	100.00%
YTD			99.95%			98.94%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
APR	43116 /	43176	99.86%	705.0 /	705.0	100.00%	705.0 /	705.0	100.00%	705.0 /	705.0	100.00%	705.0 /	705.0	100.00%
MAY	43992 /	44034	99.90%	704.0 /	711.0	99.02%	711.0 /	711.0	100.00%	711.0 /	711.0	100.00%	711.0 /	711.0	100.00%
JUN	43146 /	43200	99.88%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%
2 nd Quarter	130254 /	130410	99.88%	2,129.0 /	2,136.0	99.67%	2,136.0 /	2,136.0	100.00%	2,136.0 /	2,136.0	100.00%	2,136.0 /	2,136.0	100.00%
YTD			99.70%			99.52%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH

24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING

ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

CEMS Daily Averages - 04/01/11 To 06/30/11

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Period: 04/01/11 00:00:00 To 06/30/11 23:59:59; Records = 91

Date	Operating Hours		NOx		SO2		SO2		SO2		Blr 1&2	
	CEMS		30-Day	Vld	24-Hr	Vld	30-Day	Vld	30-Day	% Red.	Vld	SO2
			lb/mmBt		lb/mmBt		lb/mmBt					Tons
												Vld
04/01/11	24		0.422	30	0.170	24	0.231	30	90.83	30	1.58	24
04/02/11	24		0.421	30	0.179	24	0.229	30	90.88	30	1.72	24
04/03/11	24		0.421	30	0.226	24	0.230	30	90.84	30	1.92	24
04/04/11	24		0.421	30	0.224	24	0.230	30	90.86	30	2.02	24
04/05/11	24		0.421	30	0.245	24	0.231	30	90.78	30	2.24	24
04/06/11	24		0.420	30	0.187	24	0.229	30	90.87	30	1.77	24
04/07/11	24		0.420	30	0.199	24	0.227	30	90.94	30	1.59	24
04/08/11	24		0.420	30	0.183	24	0.225	30	90.97	30	1.40	24
04/09/11	24		0.419	30	0.204	24	0.225	30	90.97	30	1.88	24
04/10/11	24		0.418	30	0.217	24	0.224	30	90.99	30	1.87	24
04/11/11	24		0.417	30	0.250	24	0.224	30	91.02	29	2.06	24
04/12/11	13		0.417	30	0.769	13	0.224	30	91.02	29	1.70	24
04/13/11	24		0.416	30	0.188	24	0.222	30	91.10	29	1.90	24
04/14/11	24		0.415	30	0.200	24	0.219	30	91.20	29	2.06	24
04/15/11	24		0.415	30	0.191	24	0.218	30	91.26	29	2.10	24
04/16/11	24		0.414	30	0.207	24	0.218	30	91.28	29	1.84	24
04/17/11	24		0.414	30	0.231	24	0.219	30	91.24	29	2.10	24
04/18/11	24		0.415	30	0.253	24	0.218	30	91.32	29	2.29	24
04/19/11	24		0.416	30	0.193	24	0.219	30	91.30	29	1.93	24
04/20/11	24		0.416	30	0.179	24	0.217	30	91.39	29	1.57	24
04/21/11	24		0.416	30	0.841	24	0.237	30	90.59	29	5.23	24
04/22/11	24		0.415	30	0.085	24	0.230	30	90.92	29	1.07	24
04/23/11	24		0.415	30	0.062	24	0.222	30	91.20	29	1.06	24
04/24/11	24		0.414	30	0.148	24	0.220	30	91.30	29	1.49	24
04/25/11	24		0.413	30	0.127	24	0.216	30	91.43	29	1.34	24
04/26/11	24		0.413	30	0.172	24	0.214	30	91.53	29	1.83	24
04/27/11	18		0.413	30	0.455	18	0.214	30	91.53	29	1.23	24
04/28/11	24		0.412	30	0.176	24	0.212	30	91.62	29	1.75	24
04/29/11	24		0.410	30	0.178	24	0.211	30	91.66	29	1.76	24
04/30/11	24		0.409	30	0.176	24	0.208	30	91.79	29	1.61	24
05/01/11	24		0.408	30	0.167	24	0.208	30	91.82	29	1.48	24
05/02/11	24		0.409	30	0.209	24	0.209	30	91.80	29	1.85	24
05/03/11	24		0.409	30	0.174	24	0.209	30	91.81	29	1.63	24
05/04/11	24		0.410	30	0.176	24	0.209	30	91.83	29	1.79	24
05/05/11	24		0.411	30	0.206	24	0.208	30	91.86	29	1.64	24
05/06/11	24		0.412	30	0.192	24	0.207	30	91.90	29	1.89	24

Date	Operating Hours		NOx		SO2		SO2		SO2		Blr 1&2	
	CEMS		30-Day		24-Hr		30-Day		30-Day		SO2	
			lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	Tons	Vld
05/07/11	24		0.412	30	0.178	24	0.205	30	91.98	29	1.67	24
05/08/11	24		0.413	30	0.182	24	0.205	30	91.99	29	1.70	24
05/09/11	24		0.413	30	0.154	24	0.203	30	92.05	29	1.58	24
05/10/11	24		0.414	30	0.176	24	0.203	30	92.06	29	1.73	24
05/11/11	24		0.415	30	0.201	24	0.203	30	92.07	29	1.88	24
05/12/11	24		0.415	30	0.157	24	0.201	30	92.16	29	1.42	24
05/13/11	24		0.415	30	0.193	24	0.199	30	92.20	30	1.82	24
05/14/11	24		0.415	30	0.157	24	0.198	30	92.26	30	1.54	24
05/15/11	23		0.415	30	0.168	23	0.198	30	92.26	30	1.79	24
05/16/11	0		0.415	30	0.000	00	0.198	30	92.26	30	2.58	24
05/17/11	6		0.415	30	1.369	06	0.198	30	92.26	30	0.00	14
05/18/11	24		0.418	30	0.588	24	0.199	29	91.84	30	1.17	23
05/19/11	24		0.419	30	0.068	24	0.195	29	92.00	30	0.51	24
05/20/11	24		0.421	30	0.122	24	0.192	29	92.11	30	0.94	24
05/21/11	24		0.420	30	0.181	24	0.191	29	92.17	30	1.66	24
05/22/11	24		0.419	30	0.177	24	0.188	29	92.28	30	1.72	24
05/23/11	24		0.417	30	0.194	24	0.188	29	92.29	30	1.74	24
05/24/11	24		0.417	30	0.203	24	0.189	29	92.26	30	2.61	24
05/25/11	24		0.416	30	0.208	24	0.168	29	93.07	30	1.55	24
05/26/11	24		0.416	30	0.219	24	0.172	29	92.89	30	1.87	24
05/27/11	24		0.416	30	0.212	24	0.177	29	92.69	30	1.77	24
05/28/11	24		0.417	30	0.228	24	0.180	29	92.59	30	1.90	24
05/29/11	24		0.417	30	0.176	24	0.182	29	92.53	30	1.48	24
05/30/11	24		0.417	30	0.181	24	0.182	29	92.52	30	1.56	24
05/31/11	24		0.419	30	0.189	24	0.182	29	92.49	30	1.63	24
06/01/11	24		0.423	30	0.178	24	0.182	29	92.47	30	1.56	24
06/02/11	24		0.425	30	0.196	24	0.183	29	92.42	30	1.70	24
06/03/11	24		0.426	30	0.170	24	0.183	29	92.40	30	1.58	24
06/04/11	24		0.426	30	0.163	24	0.182	29	92.44	30	1.43	24
06/05/11	24		0.426	30	0.182	24	0.182	29	92.41	30	1.44	24
06/06/11	24		0.426	30	0.188	24	0.182	29	92.38	30	1.43	24
06/07/11	24		0.425	30	0.213	24	0.182	29	92.35	30	1.85	24
06/08/11	24		0.425	30	0.181	24	0.182	29	92.35	30	1.44	24
06/09/11	24		0.425	30	0.201	24	0.183	29	92.30	30	1.73	24
06/10/11	24		0.425	30	0.150	24	0.182	29	92.33	30	1.69	24
06/11/11	24		0.425	30	0.159	24	0.182	29	92.31	30	1.55	24
06/12/11	24		0.425	30	0.168	24	0.182	29	92.30	30	1.64	24
06/13/11	24		0.425	30	0.181	24	0.181	29	92.30	30	1.70	24
06/14/11	24		0.426	30	0.180	24	0.182	29	92.23	30	1.80	24
06/15/11	24		0.426	30	0.164	24	0.181	29	92.26	30	1.47	24

Date	Operating Hours		NOx		SO2		SO2		SO2		Blr 1&2	
	CEMS		30-Day		24-Hr		30-Day		30-Day		SO2	
			lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	Tons	Vld
06/16/11	24		0.427	30	0.178	24	0.182	29	92.21	30	1.71	24
06/17/11	24		0.426	30	0.158	24	0.179	30	92.67	30	1.39	24
06/18/11	24		0.426	30	0.169	24	0.182	30	92.51	30	1.49	24
06/19/11	24		0.427	30	0.156	24	0.183	30	92.43	30	1.42	24
06/20/11	24		0.429	30	0.145	24	0.182	30	92.45	30	1.29	24
06/21/11	24		0.430	30	0.166	24	0.182	30	92.42	30	1.63	24
06/22/11	24		0.431	30	0.208	24	0.182	30	92.37	30	1.74	24
06/23/11	24		0.431	30	0.197	24	0.182	30	92.37	30	1.74	24
06/24/11	24		0.431	30	0.155	24	0.180	30	92.43	30	1.55	24
06/25/11	24		0.431	30	0.153	24	0.178	30	92.51	30	1.40	24
06/26/11	24		0.431	30	0.186	24	0.177	30	92.53	30	1.65	24
06/27/11	24		0.431	30	0.192	24	0.176	30	92.56	30	1.60	24
06/28/11	24		0.431	30	0.149	24	0.175	30	92.58	30	1.55	24
06/29/11	24		0.431	30	0.169	24	0.175	30	92.58	30	1.55	24
06/30/11	24		0.429	30	0.128	24	0.173	30	92.65	30	1.24	24

CEMS Daily Averages - 04/01/11 To 06/30/11

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Period: 04/01/11 00:00:00 To 06/30/11 23:59:59; Records = 91

Date	Operating Hours		NOx		SO2		SO2		SO2	
	CEMS		30-Day	Vld	24-Hr	Vld	30-Day	Vld	30-Day	% Red. Vld
04/01/11	24		0.368	30	0.164	24	0.219	30	91.22	30 0.00
04/02/11	24		0.369	30	0.184	24	0.218	30	91.24	30 0.00
04/03/11	24		0.369	30	0.181	24	0.216	30	91.31	30 0.00
04/04/11	24		0.368	30	0.208	24	0.215	30	91.35	30 0.00
04/05/11	24		0.367	30	0.229	24	0.216	30	91.33	30 0.00
04/06/11	24		0.367	30	0.182	24	0.214	30	91.38	30 0.00
04/07/11	15		0.367	30	0.223	15	0.214	30	91.38	30 0.00
04/08/11	18		0.367	30	0.319	18	0.214	30	91.38	30 0.00
04/09/11	24		0.366	30	0.190	24	0.214	30	91.36	30 0.00
04/10/11	24		0.365	30	0.180	24	0.213	30	91.41	30 0.00
04/11/11	24		0.360	30	0.108	24	0.209	30	91.42	29 0.00
04/12/11	24		0.357	30	0.161	24	0.206	30	91.45	28 0.00
04/13/11	24		0.358	30	0.206	24	0.205	30	91.47	28 0.00
04/14/11	24		0.359	30	0.224	24	0.205	30	91.44	28 0.00
04/15/11	24		0.360	30	0.240	24	0.206	30	91.43	28 0.00
04/16/11	24		0.360	30	0.184	24	0.205	30	91.47	28 0.00
04/17/11	24		0.360	30	0.212	24	0.205	30	91.51	28 0.00
04/18/11	24		0.361	30	0.225	24	0.204	30	91.55	28 0.00
04/19/11	24		0.362	30	0.209	24	0.205	30	91.52	28 0.00
04/20/11	24		0.363	30	0.151	24	0.203	30	91.61	28 0.00
04/21/11	24		0.363	30	0.275	24	0.203	30	91.68	28 0.00
04/22/11	24		0.363	30	0.135	24	0.201	30	91.79	28 0.00
04/23/11	24		0.362	30	0.155	24	0.197	30	91.95	28 0.00
04/24/11	24		0.361	30	0.163	24	0.194	30	92.04	28 0.00
04/25/11	24		0.361	30	0.152	24	0.192	30	92.13	28 0.00
04/26/11	24		0.361	30	0.221	24	0.192	30	92.09	28 0.00
04/27/11	24		0.361	30	0.152	24	0.190	30	92.16	28 0.00
04/28/11	24		0.360	30	0.198	24	0.191	30	92.15	28 0.00
04/29/11	24		0.360	30	0.191	24	0.190	30	92.22	28 0.00
04/30/11	24		0.359	30	0.164	24	0.186	30	92.36	28 0.00
05/01/11	24		0.359	30	0.148	24	0.186	30	92.41	28 0.00
05/02/11	24		0.359	30	0.181	24	0.186	30	92.43	28 0.00
05/03/11	24		0.360	30	0.167	24	0.186	30	92.45	28 0.00
05/04/11	24		0.361	30	0.192	24	0.186	30	92.45	28 0.00
05/05/11	24		0.362	30	0.138	24	0.185	30	92.51	28 0.00
05/06/11	24		0.362	30	0.204	24	0.185	30	92.51	28 0.00

Date	Operating Hours		NOx		SO2		SO2		SO2	
	CEMS		30-Day		24-Hr		30-Day		30-Day	
			lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld
05/07/11	24		0.362	30	0.173	24	0.183	30	92.58	28
05/08/11	24		0.363	30	0.175	24	0.182	30	92.59	28
05/09/11	24		0.364	30	0.176	24	0.182	30	92.63	28
05/10/11	24		0.365	30	0.187	24	0.182	30	92.62	28
05/11/11	24		0.371	30	0.194	24	0.185	30	92.62	29
05/12/11	24		0.374	30	0.145	24	0.185	30	92.72	30
05/13/11	24		0.374	30	0.193	24	0.184	30	92.75	30
05/14/11	24		0.374	30	0.172	24	0.182	30	92.82	30
05/15/11	24		0.374	30	0.217	24	0.182	30	92.85	30
05/16/11	24		0.375	30	0.509	24	0.192	30	92.43	30
05/17/11	8		0.375	30	0.331	08	0.192	30	92.43	30
05/18/11	7		0.375	30	1.043	06	0.192	30	92.43	30
05/19/11	24		0.376	30	0.050	24	0.187	30	92.64	30
05/20/11	24		0.376	30	0.094	24	0.183	30	92.82	30
05/21/11	24		0.375	30	0.169	24	0.181	30	92.87	30
05/22/11	24		0.375	30	0.186	24	0.182	30	92.83	30
05/23/11	24		0.376	30	0.177	24	0.179	30	92.96	30
05/24/11	24		0.377	30	0.342	24	0.186	30	92.69	30
05/25/11	24		0.379	30	0.122	24	0.185	30	92.72	30
05/26/11	24		0.380	30	0.174	24	0.185	30	92.69	30
05/27/11	24		0.380	30	0.159	24	0.186	30	92.68	30
05/28/11	24		0.380	30	0.171	24	0.184	30	92.75	30
05/29/11	24		0.380	30	0.136	24	0.183	30	92.76	30
05/30/11	24		0.380	30	0.145	24	0.182	30	92.82	30
05/31/11	24		0.381	30	0.155	24	0.180	30	92.85	30
06/01/11	24		0.383	30	0.148	24	0.180	30	92.85	30
06/02/11	24		0.384	30	0.158	24	0.180	30	92.82	30
06/03/11	24		0.383	30	0.159	24	0.180	30	92.83	30
06/04/11	24		0.383	30	0.137	24	0.179	30	92.86	30
06/05/11	24		0.382	30	0.122	24	0.176	30	92.94	30
06/06/11	24		0.383	30	0.116	24	0.175	30	92.96	30
06/07/11	24		0.383	30	0.182	24	0.175	30	92.97	30
06/08/11	24		0.384	30	0.126	24	0.173	30	93.02	30
06/09/11	24		0.384	30	0.164	24	0.173	30	93.01	30
06/10/11	24		0.384	30	0.204	24	0.174	30	92.94	30
06/11/11	24		0.384	30	0.165	24	0.173	30	92.95	30
06/12/11	24		0.384	30	0.174	24	0.172	30	92.95	30
06/13/11	24		0.385	30	0.173	24	0.173	30	92.88	30
06/14/11	24		0.386	30	0.198	24	0.173	30	92.85	30
06/15/11	24		0.386	30	0.149	24	0.173	30	92.87	30

Date	Operating Hours		NOx		SO2		SO2		SO2	
	CEMS		30-Day		24-Hr		30-Day		30-Day	
			lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld
06/16/11	24		0.385	30	0.184	24	0.172	30	92.90	30
06/17/11	24		0.385	30	0.135	24	0.159	30	93.37	30
06/18/11	24		0.386	30	0.145	24	0.162	30	93.22	30
06/19/11	24		0.387	30	0.143	24	0.164	30	93.12	30
06/20/11	24		0.388	30	0.131	24	0.163	30	93.15	30
06/21/11	24		0.389	30	0.176	24	0.162	30	93.13	30
06/22/11	24		0.388	30	0.163	24	0.162	30	93.12	30
06/23/11	24		0.388	30	0.173	24	0.156	30	93.32	30
06/24/11	24		0.387	30	0.173	24	0.158	30	93.25	30
06/25/11	24		0.388	30	0.140	24	0.157	30	93.29	30
06/26/11	24		0.388	30	0.162	24	0.157	30	93.28	30
06/27/11	24		0.389	30	0.147	24	0.156	30	93.31	30
06/28/11	24		0.390	30	0.177	24	0.157	30	93.25	30
06/29/11	24		0.391	30	0.156	24	0.158	30	93.23	30
06/30/11	24		0.391	30	0.132	24	0.157	30	93.26	30

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 Opacity

Emission Limitation: 10

Reporting Period Dates: From 4/01/2011 To 6/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/27/10

Total Source Operating Time in Reporting Period: 21664 periods

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	%
		Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	4	0.02
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	4	0.02

Durations in 6-minute periods

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess
		Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	7	0.03
3. Process Problems	0	0.00
4. Other Known Causes	1	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	8	0.04

Durations in 6-minute periods

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice

NAME

Jason M. Prentice

SIGNATURE

Env. Planner

TITLE

7-29-11

DATE

TESFiler0001779

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 1 NOx lb/mmBtu 30-Day
Emission Limitation: 0.60
Reporting Period Dates: From 4/01/2011 To 6/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 03/25/11

Total Source Operating Time in Reporting Period: 2124 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	%	
	Duration	Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	% Excess	
	Duration	Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Tason M. Prentice
NAME

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7-29-11
DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO₂ lb/mmBtu 24-Hr

Emission Limitation: 0.7

Reporting Period Dates: From 4/01/2011 To 6/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 06/08/11

Total Source Operating Time in Reporting Period: 2124 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	%	
	Duration	Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

$$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$$

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	19	0.89
2. Control Equip Problems	24	1.13
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	43	2.02

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$$

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice
NAME

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7-29-11
DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 1 SO2 lb/mmBtu 30-Day
Emission Limitation: 0.5
Reporting Period Dates: From 4/01/2011 To 6/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 06/08/11

Total Source Operating Time in Reporting Period: 2124 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	%
		Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess
		Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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7-29-11
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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 1 SO2 Reduction 30-Day

Emission Limitation: 90

Reporting Period Dates: From 4/01/2011 To 6/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 06/08/11

Total Source Operating Time in Reporting Period: 2124 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	%	
	Duration	Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

$$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$$

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$$

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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7-29-11
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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boilers Total SO2 Tons

Emission Limitation: 6.45

Reporting Period Dates: From 4/01/2011 To 6/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boilers

Date of Last CEMS Certification or Audit: 03/26/11

Total Source Operating Time in Reporting Period: 2174 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	%
		Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	1	0.05

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess
		Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice
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7-29-11
DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 CO lb/mmBtu 24-Hr

Emission Limitation: 0.300

Reporting Period Dates: From 4/01/2011 To 6/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 03/25/11

Total Source Operating Time in Reporting Period: 2124 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

		%
	Duration	Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

$$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$$

Emission Data Summary

		% Excess
	Duration	Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$$

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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7-29-11
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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 CO lb/hr 24-Hr

Emission Limitation: 115.2

Reporting Period Dates: From 4/01/2011 To 6/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 03/25/11

Total Source Operating Time in Reporting Period: 2124 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	%	
	Duration	Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	% Excess	
	Duration	Emissions(2)
1. Startup/Shutdown	25	1.18
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	25	1.18

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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7-29-11
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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 Opacity

Emission Limitation: 10

Reporting Period Dates: From 4/01/2011 To 6/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/27/10

Total Source Operating Time in Reporting Period: 21735 periods

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	%	
	Duration	Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	196	0.90
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	196	0.90

Durations in 6-minute periods

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	% Excess	
	Duration	Emissions(2)
1. Startup/Shutdown	2	0.01
2. Control Equip Problems	14	0.06
3. Process Problems	3	0.01
4. Other Known Causes	7	0.03
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	26	0.12

Durations in 6-minute periods

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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7-29-11
DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 NOx lb/mmBtu 30-Day

Emission Limitation: 0.60

Reporting Period Dates: From 4/01/2011 To 6/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 03/26/11

Total Source Operating Time in Reporting Period: 2136 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	%
		Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	1	0.05

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess
		Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice
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7-29-11
DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 2 SO2 lb/mmBtu 24-Hr
Emission Limitation: 0.7
Reporting Period Dates: From 4/01/2011 To 6/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 06/08/11

Total Source Operating Time in Reporting Period: 2136 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	%	
	Duration	Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	1	0.05

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	% Excess	
	Duration	Emissions(2)
1. Startup/Shutdown	7	0.33
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	7	0.33

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice
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7-29-11
DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 2 SO2 lb/mmBtu 30-Day
Emission Limitation: 0.5
Reporting Period Dates: From 4/01/2011 To 6/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 06/08/11

Total Source Operating Time in Reporting Period: 2136 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	%
		Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	1	0.05

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess
		Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice
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7-29-11
DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 2 SO2 Reduction 30-Day
Emission Limitation: 90
Reporting Period Dates: From 4/01/2011 To 6/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 06/08/11

Total Source Operating Time in Reporting Period: 2136 hours

CEMS Performance Summary

Total CEMS Downtimes including exemptions

	Duration	%
		Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	5	0.23
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	6	0.28

Durations in hours

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess
		Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice
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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 2 CO lb/mmBtu 24-Hr
Emission Limitation: 0.300
Reporting Period Dates: From 4/01/2011 To 6/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 03/26/11

Total Source Operating Time in Reporting Period: 2136 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

1. CEMS downtime in reporting period due to:	Duration	%
		Unavailable (1)
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	1	0.05

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess
		Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice
NAME

Jason M. Prentice
SIGNATURE

Env. Planner
TITLE

7-29-11
DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 2 CO lb/hr 24-Hr
Emission Limitation: 115.2
Reporting Period Dates: From 4/01/2011 To 6/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 03/26/11

Total Source Operating Time in Reporting Period: 2136 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	% Unavailable (1)	
	Duration	
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	1	0.05

Durations in hours

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	% Excess Emissions(2)	
	Duration	
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice
NAME

Jason M. Prentice
SIGNATURE

Env. Planner
TITLE

7-29-11
DATE

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Opacity

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration Periods	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	05/26/11 08:36:37	05/26/11 08:59:37	4	20=Corrective Maintenance	4=Other Known Causes	Tightened LED Assy and cleaned/aligned optics.

Total Downtime in the Reporting Period = 4 Periods , Data Availability for this Reporting Period = 99.98 %

Total Operating Time in the Reporting Period = 21664 Periods

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: NOx CEMS

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2124 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 CEMS

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2124 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO #/MMBTU CEMS

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2124 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO #/HOUR CEMS

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2124 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO2 Analyzer

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2124 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Flow Analyzer

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2124 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Inlet SO2 CEMS

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2124 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Inlet CO2 Analyzer

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2124 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 Inlet/Outlet CEMS

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2124 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boilers

Parameter: Total SO2 Tons

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	05/18/11 17:00:37	05/18/11 17:59:37	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	

Total Downtime in the Reporting Period = 1 hours , Data Availability for this Reporting Period = 99.95 %

Total Operating Time in the Reporting Period = 2174 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Opacity

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration Periods	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	04/21/11 07:36:38	04/21/11 07:41:38	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	VIM Tech. Found S2OPC as Process Channel in
2	04/21/11 11:36:35	04/22/11 07:05:36	195	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	VIM Tech. Found S2OPC as Process Channel in

Total Downtime in the Reporting Period = 196 Periods , Data Availability for this Reporting Period = 99.10 %

Total Operating Time in the Reporting Period = 21735 Periods

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: NOx CEMS

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	05/18/11 17:00:37	05/18/11 17:59:37	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Plant S/D and Yearly Maintenance.

Total Downtime in the Reporting Period = 1 hours , Data Availability for this Reporting Period = 99.95 %

Total Operating Time in the Reporting Period = 2136 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 CEMS

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	05/18/11 17:00:37	05/18/11 17:59:37	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Plant S/D and Yearly Maintenance.

Total Downtime in the Reporting Period = 1 hours , Data Availability for this Reporting Period = 99.95 %

Total Operating Time in the Reporting Period = 2136 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO #/MMBTU CEMS

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	05/18/11 17:00:37	05/18/11 17:59:37	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Plant S/D Yearly Maintenance.

Total Downtime in the Reporting Period = 1 hours , Data Availability for this Reporting Period = 99.95 %

Total Operating Time in the Reporting Period = 2136 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler2

Parameter: CO #/HOUR CEMS

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	05/18/11 17:00:37	05/18/11 17:59:37	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Plant S/D and Yearly PM.

Total Downtime in the Reporting Period = 1 hours , Data Availability for this Reporting Period = 99.95 %

Total Operating Time in the Reporting Period = 2136 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO2 Analyzer

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	05/18/11 17:00:37	05/18/11 17:59:37	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Plant S/D and Yearly Maintenance.

Total Downtime in the Reporting Period = 1 hours , Data Availability for this Reporting Period = 99.95 %

Total Operating Time in the Reporting Period = 2136 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Flow Analyzer

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2136 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Inlet SO2 CEMS

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	04/04/11 18:00:40	04/04/11 22:59:37	5	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Replaced Pump, Performed a Daily Cal Error Test
2	05/18/11 17:00:37	05/18/11 17:59:37	1	14=Recalibration	3=Quality Assurance Calibrations	Plant S/D and Yearly PM

Total Downtime in the Reporting Period = 6 hours , Data Availability for this Reporting Period = 99.72 %

Total Operating Time in the Reporting Period = 2136 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Inlet CO2 Analyzer

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	04/04/11 18:00:40	04/04/11 22:59:37	5	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Replaced Pump, Performed Daily Cal Error
2	05/18/11 17:00:37	05/18/11 17:59:37	1	14=Recalibration	3=Quality Assurance Calibrations	Plant S/D Yearly PM.

Total Downtime in the Reporting Period = 6 hours , Data Availability for this Reporting Period = 99.72 %

Total Operating Time in the Reporting Period = 2136 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 Inlet/Outlet CEMS

Data in the Reporting Period: 04/01/11 to 06/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	04/04/11 18:00:40	04/04/11 22:59:37	5	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Replaced Pump, Performed Daily Cal Error Test
2	05/18/11 17:00:37	05/18/11 17:59:37	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	

Total Downtime in the Reporting Period = 6 hours , Data Availability for this Reporting Period = 99.72 %

Total Operating Time in the Reporting Period = 2136 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Opacity

Limit: 10

Data in the Reporting Period: 04/01/11 to 06/30/11

Inc No.	Start Date	End Date	Duration Periods	Emission Reading	EPA Category	Reason for Incident	Corrective Action
1	04/14/11 07:24:37	04/14/11 07:41:37	3	61	Control Equip Problems	Baghouse bypass Hi Temp.	Restored to service.
2	04/21/11 16:12:37	04/21/11 16:29:37	3	48	Control Equip Problems	Atomizer trip and Breaker damaged.	Called in repair techs. and restored baghouse to
3	04/21/11 21:18:41	04/21/11 21:23:41	1	37	Control Equip Problems	Control Equipment Problems Baghouse	Restored to service.
4	06/14/11 03:18:40	06/14/11 03:23:40	1	52	Other Known Causes	Atomizer #1 Changeout, Baghouse in	Atomizer Change-out Complete.

Total Duration in the Reporting Period = 8 Periods , Percentage of Operating Time above Excess Emission Limit = 0.04 %

Total Operating Time in the Reporting Period = 21664 Periods

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: NOx lb/mmBtu 30-Day

Limit: 0.60

Data in the Reporting Period: 04/01/11 to 06/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2124 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 lb/mmBtu Daily Ave.

Data in the Reporting Period: 04/01/11 to 06/30/11

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	04/12/11 00:00:59	04/12/11 23:59:59	13	0.8	0.7	Startup/Shutdown	Emergency Shutdown to Repair Steam	Boiler #1 Steam Leak Repaired.
2	04/21/11 00:00:59	04/21/11 23:59:59	24	0.8	0.7	Control Equip Problems	Unit 1 Atomizer Motor windings went bad.	Repaired U1 SO2 Slurry Atomizer Motor.
3	05/17/11 00:00:59	05/17/11 23:59:59	6	1.4	0.7	Startup/Shutdown	Startup Following Maintenance Outage	Start up following MMP procedures.

Total Duration in the Reporting Period = 43 hours , Percentage of Operating Time above Excess Emission Limit = 2.02 %

Total Operating Time in the Reporting Period = 2124 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 lb/mmBtu 30-Day

Limit: 0.5

Data in the Reporting Period: 04/01/11 to 06/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2124 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 Reduction 30-Day

Limit: 90

Data in the Reporting Period: 04/01/11 to 06/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2124 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boilers

Parameter: Total SO2 Tons

Limit: 6.45

Data in the Reporting Period: 04/01/11 to 06/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2174 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO lb/mmBtu 24-Hr Roll

Limit: 0.300

Data in the Reporting Period: 04/01/11 to 06/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2124 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO lb/hr 24-Hr Roll

Limit: 115.2

Data in the Reporting Period: 04/01/11 to 06/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
1	05/18/11 00:00:41	05/19/11 00:59:35	25	195.0	228.4	Startup/Shutdown	Startup following Maintenance Outage.	Followed MMP procedures for startup.

Total Duration in the Reporting Period = 25 hours , Percentage of Operating Time above Excess Emission Limit = 1.18 %

Total Operating Time in the Reporting Period = 2124 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Opacity

Limit: 10

Data in the Reporting Period: 04/01/11 to 06/30/11

Inc No.	Start Date	End Date	Duration Periods	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
1	04/07/11 14:36:44	04/07/11 14:47:40	2	35	50	Startup/Shutdown	/Shutdown	Tube blow U2 Repaired tubes and restarted
2	04/14/11 07:24:37	04/14/11 07:41:37	3	57	85	Control Equip Problems	Baghouse bypass Hi temp.	Restored to service.
3	04/26/11 08:54:36	04/26/11 09:17:36	4	61	82	Control Equip Problems	Baghouse bypass hi temp	Restored to service.
4	04/27/11 07:30:39	04/27/11 07:35:39	1	12	12	Control Equip Problems	Baghouse bypassed to try to reseal	Restored to service.
5	05/06/11 03:54:36	05/06/11 04:05:37	2	54	81	Control Equip Problems	Baghouse bypass Hi temp.	Restored to service.
6	05/16/11 08:42:37	05/16/11 08:47:37	1	12	12	Control Equip Problems	Atomizer change	Restored to service after changed.
7	05/24/11 08:24:41	05/24/11 08:35:41	2	60	76	Control Equip Problems	Baghouse bypass Hi temp.	Restored to service.
8	05/31/11 09:48:33	05/31/11 09:53:33	1	13	13	Other Known Causes	Atomizer Change-Out on Unit #2.	Atomizer Change-out Complete.
9	05/31/11 10:00:36	05/31/11 10:05:36	1	40	40	Other Known Causes	Atomizer Change-Out on Unit #2.	Atomizer Changeout Complete.
10	06/10/11 13:24:41	06/10/11 13:35:41	2	41	45	Other Known Causes	Atomizer Motor Test. (New Motor)	New Motor Test Complete.
11	06/10/11 13:42:42	06/10/11 13:59:41	3	40	78	Other Known Causes	Atomizer Motor Test. (New Motor)	New Motor Test Complete.
12	06/13/11 09:00:37	06/13/11 09:05:37	1	61	61	Process Problems	Low Air Pressure due to Portable Air	C2 Compressor was put back On-Line.
13	06/15/11 10:00:37	06/15/11 10:05:37	1	32	32	Control Equip Problems	Lost Plant Air Pressure after C1	Restored Sysytem Air Pressure.
14	06/21/11 09:18:37	06/21/11 09:29:37	2	56	72	Process Problems	Other Known Problems-Baghouse Bypass	Corrected High Temp Quenching Problems

Total Duration in the Reporting Period = 26 Periods , Percentage of Operating Time above Excess Emission Limit = 0.12 %

Total Operating Time in the Reporting Period = 21735 Periods

TESFiler0001825

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: NOx lb/mmBtu 30-Day

Limit: 0.60

Data in the Reporting Period: 04/01/11 to 06/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2136 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 lb/mmBtu Daily Ave.

Data in the Reporting Period: 04/01/11 to 06/30/11

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	05/18/11 00:00:59	05/18/11 23:59:59	7	1.0	0.7	Startup/Shutdown	Startup Following Maintenance Outage.	Followed MMP procedures for startup.

Total Duration in the Reporting Period = 7 hours , Percentage of Operating Time above Excess Emission Limit = 0.33 %

Total Operating Time in the Reporting Period = 2136 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 lb/mmBtu 30-Day

Limit: 0.5

Data in the Reporting Period: 04/01/11 to 06/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2136 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 Reduction 30-Day

Limit: 90

Data in the Reporting Period: 04/01/11 to 06/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2136 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO lb/mmBtu 24-Hr Roll

Limit: 0.300

Data in the Reporting Period: 04/01/11 to 06/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2136 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO lb/hr 24-Hr Roll

Limit: 115.2

Data in the Reporting Period: 04/01/11 to 06/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2136 hours

Linearity Test Report - 2011Q2

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Bir 1 NOx High Audit Test Results Analyzer Span: 500.00 ppm

Mfr & Model: Thermo 42i

Serial Number: 0623017966

Low-Level Calibration Gas Concentration: 125.50
(20-30% of Span) Cylinder No.: CC89270
(100.00 ppm - 150.00 ppm) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 277.20
(50-60% of Span) Cylinder No.: CC28632
(250.00 ppm - 300.00 ppm) Expiration Date: 02/08/12

High-Level Calibration Gas Concentration: 436.10
(80-100% of Span) Cylinder No.: CC315230
(400.00 ppm - 500.00 ppm) Expiration Date: 01/21/13

Test Date: 06/08/11

Tester: Danny L. Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	09:09:34	127.40	09:14:37	279.80	09:19:37	435.50
Run 2	09:57:41	127.70	10:02:38	279.00	10:07:43	434.40
Run 3	10:23:42	127.70	10:28:41	279.50	10:33:43	435.30
Avg. Monitor Response		127.600		279.433		435.067
Linearity Error		1.7		0.8		0.2
Absolute Difference		2.1		2.2		1.0
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS} | \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} | \times 100}{\text{Cal. Gas Concentration}}$$

$$\text{Absolute Difference} = \text{ABS} | \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} |$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

I have personally performed this linearity test according to the procedures outlined in 40 CFR Part 75 Appendix B and attest that the information on this document is true, accurate, and complete.

Signature:

Danny L. Hintzman

Printed Name:

Danny L. Hintzman
Technician/Service Representative

Linearity Test Report - 2011Q2

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 SO2 Low Audit Test Results Analyzer Span: 200.00 ppm

Mfr & Model: Thermo 43i

Serial Number: 0622717877

Low-Level Calibration Gas Concentration: 48.700
(20-30% of Span) Cylinder No.: CC89270
(40.000 ppm - 60.000 ppm) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 111.20
(50-60% of Span) Cylinder No.: CC28632
(100.00 ppm - 120.00 ppm) Expiration Date: 02/08/12

High-Level Calibration Gas Concentration: 178.70
(80-100% of Span) Cylinder No.: CC315230
(160.00 ppm - 200.00 ppm) Expiration Date: 01/21/13

Test Date: 06/08/11

Tester: Danny L. Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	09:09:34	49.300	09:14:37	111.90	09:19:37	176.10
Run 2	09:57:41	49.300	10:02:38	112.30	10:07:43	176.60
Run 3	10:23:42	48.700	10:28:41	112.30	10:33:43	176.50
Avg. Monitor Response		49.100		112.167		176.400
Linearity Error		0.8		0.9		1.3
Absolute Difference		0.4		1.0		2.3
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS} | \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} |}{\text{Cal. Gas Concentration}} \times 100$$

$$\text{Absolute Difference} = \text{ABS} | \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} |$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

I have personally performed this linearity test according to the procedures outlined in 40 CFR Part 75 Appendix B and attest that the information on this document is true, accurate, and complete.

Signature:

Danny L. Hintzman

Printed Name:

Danny L. Hintzman

Technician/Service Representative

Linearity Test Report - 2011Q2

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 SO2 High Audit Test Results Analyzer Span: 1500.0 ppm

Mfr & Model: Thermo 431

Serial Number: 0622717877

Low-Level Calibration Gas Concentration: 378.30
(20-30% of Span) Cylinder No.: CC81480
(300.00 ppm - 450.00 ppm) Expiration Date: 03/12/12

Mid-Level Calibration Gas Concentration: 832.70
(50-60% of Span) Cylinder No.: CC62032
(750.00 ppm - 900.00 ppm) Expiration Date: 02/09/13

High-Level Calibration Gas Concentration: 1351.0
(80-100% of Span) Cylinder No.: SG9147624BAL
(1200.0 ppm - 1500.0 ppm) Expiration Date: 01/17/14

Test Date: 06/08/11

Tester: Danny L. Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	12:00:58	379.80	12:05:59	833.70	12:10:59	1344.9
Run 2	12:38:39	382.40	12:43:38	834.20	12:48:47	1346.7
Run 3	13:10:42	381.20	13:15:43	832.10	13:20:47	1344.5
Avg. Monitor Response		381.133		833.333		1345.37
Linearity Error		0.7		0.1		0.4
Absolute Difference		2.8		0.6		5.6
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS} | \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} |}{\text{Cal. Gas Concentration}} \times 100$$

$$\text{Absolute Difference} = \text{ABS} | \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} |$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

I have personally performed this linearity test according to the procedures outlined in 40 CFR Part 75 Appendix B and attest that the information on this document is true, accurate, and complete.

Signature:

Danny L. Hintzman

Printed Name:

Danny L. Hintzman

Technician/Service Representative

CGA Test Report - 2011Q2

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 CO High Audit Test Results Analyzer Span: 500.0 ppm

Mfr & Model: Thermo 48i

Serial Number: 0622717887

Low-Level Calibration Gas Concentration: 124.1
(20-30% of Span) Cylinder No.: CC89270
(100.0 ppm - 150.0 ppm) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 273.7
(50-60% of Span) Cylinder No.: CC28632
(250.0 ppm - 300.0 ppm) Expiration Date: 02/08/12

Test Date: 06/08/11

Tester: Danny L. Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	09:09:34	123.6	09:14:37	273.4
Run 2	09:57:41	123.4	10:02:38	272.2
Run 3	10:23:42	122.4	10:28:41	271.6
Avg. Monitor Response		123.1		272.4
Calibration Error		-0.8		-0.5
Absolute Difference		1.0		1.3
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature:

Danny L. Hintzman

Print Name:

Danny L. Hintzman

Technician/Service Representative

Linearity Test Report - 2011Q2

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 CO2 Audit Test Results Analyzer Span: 20.000 %

Mfr & Model: Thermo 410i

Serial Number: 0622717869

Low-Level Calibration Gas Concentration: 5.540
(20-30% of Span) Cylinder No.: CC89270
(4.000 % - 6.000 %) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 11.080
(50-60% of Span) Cylinder No.: CC28632
(10.000 % - 12.000 %) Expiration Date: 02/08/12

High-Level Calibration Gas Concentration: 17.600
(80-100% of Span) Cylinder No.: CC315230
(16.000 % - 20.000 %) Expiration Date: 01/21/13

Test Date: 06/08/11

Tester: Danny L. Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	09:09:34	5.550	09:14:37	11.080	09:19:37	17.590
Run 2	09:57:41	5.560	10:02:38	11.070	10:07:43	17.570
Run 3	10:23:42	5.550	10:28:41	11.080	10:33:43	17.600
Avg. Monitor Response		5.553		11.077		17.587
Linearity Error		0.2		0.0		0.1
Absolute Difference		0.0		0.0		0.0
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS | Cal. Gas Concentration - Avg. Monitor Response |} \times 100}{\text{Cal. Gas Concentration}}$$

$$\text{Absolute Difference} = \text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

I have personally performed this linearity test according to the procedures outlined in 40 CFR Part 75 Appendix B and attest that the information on this document is true, accurate, and complete.

Signature:

Danny L. Hintzman

Printed Name:

Danny L. Hintzman

Technician/Service Representative

CGA Test Report - 2011Q2

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 Inlet SO2 Audit Test Results Analyzer Span: 1500.0 ppm

Mfr & Model: Thermo 43i

Serial Number: 0622717879

Low-Level Calibration Gas Concentration: 378.3
(20-30% of Span) Cylinder No.: CC81480
(300.0 ppm - 450.0 ppm) Expiration Date: 03/12/12

Mid-Level Calibration Gas Concentration: 832.7
(50-60% of Span) Cylinder No.: CC62032
(750.0 ppm - 900.0 ppm) Expiration Date: 02/09/13

Test Date: 06/08/11

Tester: Danny L. Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	09:10:37	384.5	09:16:37	830.3
Run 2	09:58:42	381.6	10:04:42	828.9
Run 3	10:24:41	383.4	10:30:42	833.0
Avg. Monitor Response		383.2		830.7
Calibration Error		1.3		-0.2
Absolute Difference		4.9		2.0
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature:

Danny L. Hintzman

Print Name:

Danny L. Hintzman

Technician/Service Representative

CGA Test Report - 2011Q2

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 Inlet CO2 Audit Test Results Analyzer Span: 20.00 %

Mfr & Model: Thermo 410i

Serial Number: 0622717873

Low-Level Calibration Gas Concentration: 5.54
(5.00% - 8.00%) Cylinder No.: CC81480
Expiration Date: 03/12/12

Mid-Level Calibration Gas Concentration: 11.09
(10.00% - 14.00%) Cylinder No.: CC62032
Expiration Date: 02/09/13

Test Date: 06/08/11

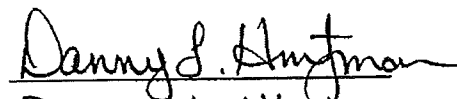
Tester: Danny L. Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	09:10:37	5.57	09:16:37	11.07
Run 2	09:58:42	5.55	10:04:42	11.04
Run 3	10:24:41	5.57	10:30:42	11.06
Avg. Monitor Response		5.56		11.06
Calibration Error		0.4		-0.3
Absolute Difference		0.02		0.03
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature:



Print Name:

Danny L. Hintzman

Technician/Service Representative

Linearity Test Report - 2011Q2

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 NOx High Audit Test Results Analyzer Span: 500.00 ppm

Mfr & Model: Thermo 42i

Serial Number: 0623017967

Low-Level Calibration Gas Concentration: 125.50
(20-30% of Span) Cylinder No.: CC89270
(100.00 ppm - 150.00 ppm) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 277.20
(50-60% of Span) Cylinder No.: CC28632
(250.00 ppm - 300.00 ppm) Expiration Date: 02/08/12

High-Level Calibration Gas Concentration: 436.10
(80-100% of Span) Cylinder No.: CC315230
(400.00 ppm - 500.00 ppm) Expiration Date: 01/21/13

Test Date: 06/08/11

Tester: Danny L. Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	09:12:36	127.30	09:17:32	277.30	09:22:41	433.00
Run 2	09:57:34	127.00	10:02:37	279.00	10:07:34	435.10
Run 3	10:23:43	127.10	10:28:38	277.30	10:33:42	433.70
Avg. Monitor Response		127.133		277.867		433.933
Linearity Error		1.3		0.2		0.5
Absolute Difference		1.6		0.7		2.2
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS} | \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} |}{\text{Cal. Gas Concentration}} \times 100$$

$$\text{Absolute Difference} = \text{ABS} | \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} |$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

I have personally performed this linearity test according to the procedures outlined in 40 CFR Part 75 Appendix B and attest that the information on this document is true, accurate, and complete.

Signature:

Danny L. Hintzman

Printed Name:

Danny L. Hintzman

Technician/Service Representative

Linearity Test Report - 2011Q2

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 SO2 Low Audit Test Results Analyzer Span: 200.00 ppm

Mfr & Model: Thermo 431

Serial Number: 0622717880

Low-Level Calibration Gas Concentration: 48.700
(20-30% of Span) Cylinder No.: CC89270
(40.000 ppm - 60.000 ppm) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 111.20
(50-80% of Span) Cylinder No.: CC28632
(100.00 ppm - 120.00 ppm) Expiration Date: 02/08/12

High-Level Calibration Gas Concentration: 178.70
(80-100% of Span) Cylinder No.: CC315230
(160.00 ppm - 200.00 ppm) Expiration Date: 01/21/13

Test Date: 06/08/11

Tester: Danny L. Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	09:12:36	48.900	09:17:32	111.90	09:22:41	178.10
Run 2	09:57:34	48.000	10:02:37	111.10	10:07:34	178.70
Run 3	10:23:43	48.200	10:28:38	111.40	10:33:42	177.30
Avg. Monitor Response		48.367		111.467		178.033
Linearity Error		0.7		0.2		0.4
Absolute Difference		0.3		0.3		0.7
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS | Cal. Gas Concentration - Avg. Monitor Response |} \times 100}{\text{Cal. Gas Concentration}}$$

$$\text{Absolute Difference} = \text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

I have personally performed this linearity test according to the procedures outlined in 40 CFR Part 75 Appendix B and attest that the information on this document is true, accurate, and complete.

Signature:

Danny L. Hintzman

Printed Name:

Danny L. Hintzman

Technician/Service Representative

Linearity Test Report - 2011Q2

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 SO2 High Audit Test Results Analyzer Span: 1500.0 ppm

Mfr & Model: Thermo 43i

Serial Number: 0622717880

Low-Level Calibration Gas Concentration: 378.30
(20-30% of Span) Cylinder No.: CC81480
(300.00 ppm - 450.00 ppm) Expiration Date: 03/12/12

Mid-Level Calibration Gas Concentration: 832.70
(50-60% of Span) Cylinder No.: CC62032
(750.00 ppm - 900.00 ppm) Expiration Date: 02/09/13

High-Level Calibration Gas Concentration: 1351.0
(80-100% of Span) Cylinder No.: SG914762BAL
(1200.0 ppm - 1500.0 ppm) Expiration Date: 01/17/14

Test Date: 06/08/11

Tester: Danny L. Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	12:02:31	375.30	12:07:35	832.40	12:12:39	1345.4
Run 2	12:38:39	381.60	12:43:36	835.80	12:48:39	1353.0
Run 3	13:10:31	381.60	13:15:35	832.70	13:20:35	1349.4
Avg. Monitor Response		379.500		833.633		1349.27
Linearity Error		0.3		0.1		0.1
Absolute Difference		1.2		0.9		1.7
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}}{\text{Cal. Gas Concentration}} \times 100$$

$$\text{Absolute Difference} = \text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

I have personally performed this linearity test according to the procedures outlined in 40 CFR Part 75 Appendix B and attest that the information on this document is true, accurate, and complete.

Signature:

Danny L. Hintzman

Printed Name:

Danny L. Hintzman

Technician/Service Representative

CGA Test Report - 2011Q2

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 CO High Audit Test Results Analyzer Span: 500.0 ppm

Mfr & Model: Thermo 481

Serial Number: 0622717888

Low-Level Calibration Gas Concentration: 124.1
(20-30% of Span) Cylinder No.: CC89270
(100.0 ppm - 150.0 ppm) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 273.7
(50-60% of Span) Cylinder No.: CC28632
(250.0 ppm - 300.0 ppm) Expiration Date: 02/08/12

Test Date: 06/08/11

Tester: Danny L. Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	09:12:36	123.4	09:17:32	274.6
Run 2	09:57:34	122.8	10:02:37	274.6
Run 3	10:23:43	124.0	10:28:38	277.0
Avg. Monitor Response		123.4		275.4
Calibration Error		-0.6		0.6
Absolute Difference		0.7		1.7
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Danny L. Hintzman
Print Name: Danny L. Hintzman
Technician/Service Representative

Linearity Test Report - 2011Q2

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 CO2 Audit Test Results Analyzer Span: 20.000 %

Mfr & Model: Thermo 410i

Serial Number: 0622717874

Low-Level Calibration Gas Concentration: 5.540
(20-30% of Span) Cylinder No.: CC89270
(4.000 % - 6.000 %) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 11.080
(50-60% of Span) Cylinder No.: CC28632
(10.000 % - 12.000 %) Expiration Date: 02/08/12

High-Level Calibration Gas Concentration: 17.600
(80-100% of Span) Cylinder No.: CC315230
(16.000 % - 20.000 %) Expiration Date: 01/21/13

Test Date: 06/08/11

Tester: Danny L. Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	09:12:36	5.630	09:17:32	11.090	09:22:41	17.580
Run 2	09:57:34	5.580	10:02:37	11.120	10:07:34	17.680
Run 3	10:23:43	5.570	10:28:38	11.060	10:33:42	17.580
Avg. Monitor Response		5.593		11.090		17.613
Linearity Error		1.0		0.1		0.1
Absolute Difference		0.1		0.0		0.0
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS} | \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} |}{\text{Cal. Gas Concentration}} \times 100$$

$$\text{Absolute Difference} = \text{ABS} | \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} |$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

I have personally performed this linearity test according to the procedures outlined in 40 CFR Part 75 Appendix B and attest that the information on this document is true, accurate, and complete.

Signature:

Danny L. Hintzman

Printed Name:

Danny L. Hintzman

Technician/Service Representative

CGA Test Report - 2011Q2

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 Inlet SO2 Audit Test Results Analyzer Span: 1500.0 ppm

Mfr & Model: Thermo 43i

Serial Number: 0622717883

Low-Level Calibration Gas Concentration: 378.3
(20-30% of Span) Cylinder No.: CC81480
(300.0 ppm - 450.0 ppm) Expiration Date: 03/12/12

Mid-Level Calibration Gas Concentration: 832.7
(50-60% of Span) Cylinder No.: CC62032
(750.0 ppm - 900.0 ppm) Expiration Date: 02/09/13

Test Date: 06/08/11

Tester: Danny L. Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	09:13:37	384.8	09:19:41	834.6
Run 2	09:58:37	384.5	10:04:38	837.0
Run 3	10:24:38	383.1	10:30:38	832.5
Avg. Monitor Response		384.1		834.7
Calibration Error		1.5		0.2
Absolute Difference		5.8		2.0
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Danny L. Hintzman
Print Name: Danny L. Hintzman
Technician/Service Representative

CGA Test Report - 2011Q2

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 Inlet CO2 Audit Test Results Analyzer Span: 20.00 %

Mfr & Model: Thermo 4101

Serial Number: 0622717875

Low-Level Calibration Gas Concentration: 5.54
(5.00% - 8.00%) Cylinder No.: CC81480
Expiration Date: 03/12/12

Mid-Level Calibration Gas Concentration: 11.09
(10.00% - 14.00%) Cylinder No.: CC62032
Expiration Date: 02/09/13

Test Date: 06/08/11

Tester: Danny L. Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	09:13:37	5.52	09:19:41	11.15
Run 2	09:58:37	5.52	10:04:38	11.15
Run 3	10:24:38	5.50	10:30:38	11.10
Avg. Monitor Response		5.51		11.13
Calibration Error		-0.5		0.4
Absolute Difference		0.03		0.04
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature:

Danny L. Hintzman

Print Name:

Danny L. Hintzman

Technician/Service Representative

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Customer: K06 - CADILLAC
 Part Number: E05NI94E15A3992
 Cylinder Number: CC89270
 Laboratory: MIC - Royal Oak-32 - MI
 PGVP Number: B62011
 Analysis Date: Feb 08, 2010

Reference Number: 32-112020314-2
 Cylinder Volume: 147 Cu.Ft.
 Cylinder Pressure: 2015 PSIG
 Valve Outlet: 660

Expiration Date: Feb 08, 2012

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
 Do Not Use This Cylinder below 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS				
Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	50.00 PPM	48.70 PPM	G1	+/- 1% NIST Traceable
CARBON MONOXIDE	125.0 PPM	124.1 PPM	G1	+/- 1% NIST Traceable
NITRIC OXIDE	125.0 PPM	125.5 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	5.500 %	5.538 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

Total oxides of nitrogen 125.5 PPM For Reference Only

CALIBRATION STANDARDS				
Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	08061508	CC254776	94.67PPM SULFUR DIOXIDE/NITROGEN	Oct 15, 2012
NTRM	08060331	CC255637	250.0PPM CARBON MONOXIDE/NITROGEN	May 15, 2012
NTRM	09060614	CC262133	9.921% CARBON DIOXIDE/NITROGEN	Apr 10, 2013
NTRM	09060332	CC286985	250.6PPM NITRIC OXIDE/NITROGEN	Feb 01, 2011

ANALYTICAL EQUIPMENT		
Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 10% CO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 14, 2010
E/N 147, 500ppmFS CO, Horiba via-510	Nondispersive Infrared (NDIR)	Feb 01, 2010
E/N 54, 250ppmFS NO, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010
E/N 54, 100ppmFS SO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010

Triad Data Available Upon Request

Notes:

Signature on file

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Customer:	K06 - CADILLAC	
Part Number:	E05NI88E15A3993	Reference Number: 32-112020314-1
Cylinder Number:	CC28632	Cylinder Volume: 151 Cu.Ft.
Laboratory:	MIC - Royal Oak-32 - MI	Cylinder Pressure: 2015 PSIG
PGVP Number:	B62011	Valve Outlet: 660
Analysis Date:	Feb 08, 2010	

Expiration Date: Feb 08, 2012

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS				
Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	110.0 PPM	111.2 PPM	G1	+/- 1% NIST Traceable
CARBON MONOXIDE	275.0 PPM	273.7 PPM	G1	+/- 1% NIST Traceable
NITRIC OXIDE	275.0 PPM	276.9 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	11.00 %	11.08 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

Total oxides of nitrogen

277.2 PPM

For Reference Only

CALIBRATION STANDARDS				
Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	06060345	CC207589	490.0PPM NITRIC OXIDE/NITROGEN	Jan 01, 2016
NTRM	08061609	CC254807	247.0PPM SULFUR DIOXIDE/NITROGEN	Oct 15, 2012
NTRM	08060331	CC255637	250.0PPM CARBON MONOXIDE/NITROGEN	May 15, 2012
NTRM	97051201	SG9169482BAL	15.862% CARBON DIOXIDE/NITROGEN	May 01, 2010
NTRM	09060402	CC274097	501.3PPM CARBON MONOXIDE/NITROGEN	Feb 01, 2013

ANALYTICAL EQUIPMENT		
Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 16% CO ₂ , Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 14, 2010
E/N 147, 500ppmFS CO, Horiba via-510	Nondispersive Infrared (NDIR)	Feb 01, 2010
E/N 54, 1000 ppmFS NO, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010
E/N 54, 250ppmFS SO ₂ , Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010

Triad Data Available Upon Request

Notes:

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Customer:	CADILLAC	
Part Number:	E05NI82E15A3991	Reference Number: 32-112204703-1
Cylinder Number:	CC315230	Cylinder Volume: 155 Cu.Ft.
Laboratory:	MIC - Royal Oak-32 - MI	Cylinder Pressure: 2015 PSIG
PGVP Number:	B62011	Valve Outlet: 660
Analysis Date:	Jan 21, 2011	

Expiration Date: Jan 21, 2013

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS				
Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	180.0 PPM	178.7 PPM	G1	+/- 1% NIST Traceable
CARBON MONOXIDE	425.0 PPM	417.0 PPM	G1	+/- 1% NIST Traceable
NITRIC OXIDE	437.0 PPM	436.1 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	17.50 %	17.60 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

Total oxides of nitrogen	436.1 PPM	For Reference Only
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CALIBRATION STANDARDS				
Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	08061607	CC254797	247.0PPM SULFUR DIOXIDE/NITROGEN	Oct 15, 2012
NTRM	10060412	CC268000	495.6PPM NITRIC OXIDE/NITROGEN	Feb 01, 2016
NTRM	09060414	CC276112	501.3PPM CARBON MONOXIDE/NITROGEN	Feb 01, 2013
NTRM	04060410	XC034311B	19.84% CARBON DIOXIDE/NITROGEN	May 15, 2012

ANALYTICAL EQUIPMENT		
Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 20% FS CO ₂ , Nicolet 6700	Fourier Transform Infrared (FTIR)	Dec 21, 2010
E/N 173, 1500ppmFS CO, Siemens Ultramat 6	Nondispersive Infrared (NDIR)	Jan 03, 2011
E/N 54, 1000 ppmFS NO, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2011
E/N 54, 250ppmFS SO ₂ , Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2011

Triad Data Available Upon Request

Notes:

Signature on file

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Customer: CADILLAC
Part Number: E03NI94E15A3994
Cylinder Number: CC81480
Laboratory: MIC - Royal Oak-32 - MI
PGVP Number: B62011
Analysis Date: Mar 12, 2010

Reference Number: 32-112037602-1
Cylinder Volume: 147 Cu.Ft.
Cylinder Pressure: 2015 PSIG
Valve Outlet: 660

Expiration Date: Mar 12, 2012

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS				
Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	375.0 PPM	378.3 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	5.500 %	5.541 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS				
Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	07120306	CC240073	496.2PPM SULFUR DIOXIDE/NITROGEN	May 01, 2011
NTRM	09060614	CC262133	9.921% CARBON DIOXIDE/NITROGEN	Apr 10, 2013

ANALYTICAL EQUIPMENT		
Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 10% CO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Feb 11, 2010
E/N 54, 1000ppmFS SO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Mar 08, 2010

Triad Data Available Upon Request

Notes:

Signature on file

Approved for Release

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Customer:	CADILLAC	Reference Number:	32-112020322-1
Part Number:	E03NI88E15A0328	Cylinder Volume:	151 Cu.Ft.
Cylinder Number:	CC62032	Cylinder Pressure:	2015 PSIG
Laboratory:	MIC - Royal Oak-32 - MI	Valve Outlet:	660
PGVP Number:	B62011		
Analysis Date:	Feb 09, 2010		

Expiration Date: Feb 09, 2013

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS				
Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	825.0 PPM	832.7 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	11.00 %	11.09 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS				
Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	06061228	CC206083	983.2PPM SULFUR DIOXIDE/NITROGEN	Sep 01, 2010
NTRM	97051201	SG9169482BAL	15.862% CARBON DIOXIDE/NITROGEN	May 01, 2010

ANALYTICAL EQUIPMENT		
Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 16% CO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 14, 2010
E/N 54, 1000ppmFS SO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010

Triad Data Available Upon Request

Notes:

Signature on file

Approved for Release

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Customer: k06 - CADILLAC
Part Number: E03NI82E15A3990
Cylinder Number: SG9147624BAL
Laboratory: MIC - Royal Oak-32 - MI
PGVP Number: B62011
Analysis Date: Jan 17, 2011

Reference Number: 32-112201571-1
Cylinder Volume: 155 Cu.Ft.
Cylinder Pressure: 2015 PSIG
Valve Outlet: 660

Expiration Date: Jan 17, 2014

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS				
Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	1350 PPM	1351 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	17.50 %	17.32 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS				
Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	00051515	SG9145342BAL	3041PPM SULFUR DIOXIDE/NITROGEN	Aug 15, 2013
NTRM	04060410	XC034311B	19.84% CARBON DIOXIDE/NITROGEN	May 15, 2012

ANALYTICAL EQUIPMENT		
Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 20% FS CO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Dec 21, 2010
E/N 54, 4800ppmFS SO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2011

Triad Data Available Upon Request

Notes:

Signature on file

Approved for Release

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Ms. Karen Kajiya-Mills
Michigan Department of Environmental Quality
Air Quality Division – Technical Programs Unit
Constitution Hall, 3rd Floor North
525 West Allegan Street
Lansing, MI 48933

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

JEREMY J. JACOBSON

C. Date of Delivery

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail ☐ Express Mail☐ Registered ☐ Return Receipt for Merchandise☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number

(Transfer from service label)

7010 0290 0001 2572 8237

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-15

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Shane Nixon
Department of Environmental Quality
Air Quality Division
120 W. Chapin Street
Cadillac, MI 49601-2158

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X S Jackson

☒ Agent☐ Addressee

B. Received by (Printed Name)

S JACKSON

C. Date of Delivery

8-1-11

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☒ No

3. Service Type

☒ Certified Mail ☐ Express Mail☐ Registered ☐ Return Receipt for Merchandise☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number

(Transfer from service label)

7010 0290 0001 2572 8169

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-154

A CMS Energy Company
October 28, 2011

Environmental Services

Mr. Shane Nixon
Michigan Department of Environmental Quality
Air Quality Division
120 W. Chapin Street
Cadillac, MI 49601-2158

SUBJECT: THIRD QUARTER 2011 EMISSIONS MONITORING REPORT

Dear Mr. Nixon:

Enclosed is the Third Quarter 2011 emissions monitoring report for Boilers No. 1 and No. 2 at the T.E.S. Filer City Station (Renewable Operating Permit No. ROP MI-ROP-N1685-2008a). The report includes all information required under Federal Standards of Performance for New Stationary Sources (40 CFR 60, Subparts A, Da, and Appendix F).

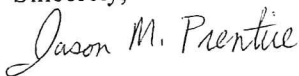
This quarterly report contains the Excess Emissions Reports (EERs) and Summary Reports for Boilers No. 1 and No. 2. Please note that this quarterly report does not include the results of linearity tests conducted in accordance with 40 CFR Part 75, Appendices A and B, or cylinder gas audits (CGAs) conducted in accordance with 40 CFR Part 60, Appendix F, as Relative Accuracy Test Audits (RATAs) of the monitoring systems were performed in August of 2011. A copy of the RATA report was sent to Ms. Karen Kajiya-Mills of the MDEQ-AQD within 45 days of completing the tests.

Also included in this report are the results of Boilers No. 1 and No. 2 opacity monitor audits conducted in accordance with the US EPA Publication "*Technical Assistance Document – Performance Audit Procedures for Opacity Monitors*", EPA 450/4-92-010. These audits are required as part of the Boilers No. 1 and No. 2 Compliance Assurance Monitoring Plan under 40 CFR Part 64.

No construction/demolition (C/D) materials were fired in Boilers No. 1 and No. 2 during the 3rd quarter of 2011. In accordance with the currently approved C/D Waste Wood Monitoring Plan, the facility has discontinued submitting a summary of C/D waste wood sampling and inspection activities on a quarterly basis. An annual C/D summary report will be included with the quarterly report submitted for the 4th quarter of 2011.

Please contact me at (517) 788-1467 or Mr. Richard Brown of TES Filer City Station at (231) 723-6573, Extension 114, if you have any questions or require further information concerning the contents of this quarterly report.

Sincerely,



Jason Prentice
Environmental Planner
Consumers Energy Company

cc: Richard Brown, TES Filer City Station
Karen Kajiya-Mills, MDEQ-AQD
Filer City Compliance File-Q, SA, A File

TESFiler0001855



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

**RENEWABLE OPERATING PERMIT
REPORT CERTIFICATION**

Authorized by 1994 P.A. 451, as amended. Failure to provide this information may result in civil and/or criminal penalties.

Reports submitted pursuant to R 336.1213 (Rule 213), subrules (3)(c) and/or (4)(c), of Michigan's Renewable Operating Permit (ROP) program must be certified by a responsible official. Additional information regarding the reports and documentation listed below must be kept on file for at least 5 years, as specified in Rule 213(3)(b)(ii), and be made available to the Department of Environmental Quality, Air Quality Division upon request.

Source Name T.E.S. Filer City Station County Manistee
Source Address P.O. Box 12 / 700 Mee Street City Filer City
AQD Source ID (SRN) N1685 ROP No. MI-ROP-N1685-2008a ROP Section No. N/A

Please check the appropriate box(es):

☐ **Annual Compliance Certification (Pursuant to Rule 213(4)(c))**

Reporting period (provide inclusive dates): From _____ To _____

- ☐ 1. During the entire reporting period, this source was in compliance with **ALL** terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference. The method(s) used to determine compliance is/are the method(s) specified in the ROP.
- ☐ 2. During the entire reporting period this source was in compliance with all terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference, **EXCEPT** for the deviations identified on the enclosed deviation report(s). The method used to determine compliance for each term and condition is the method specified in the ROP, unless otherwise indicated and described on the enclosed deviation report(s).

☐ **Semi-Annual (or More Frequent) Report Certification (Pursuant to Rule 213(3)(c))**

Reporting period (provide inclusive dates): From _____ To _____

- ☐ 1. During the entire reporting period, **ALL** monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred.
- ☐ 2. During the entire reporting period, all monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred, **EXCEPT** for the deviations identified on the enclosed deviation report(s).

☒ **Other Report Certification**

Reporting period (provide inclusive dates): From 07/01/2011 To 09/30/2011

Additional monitoring reports or other applicable documents required by the ROP are attached as described:

Boilers 1 and 2 Quarterly Report for the 3rd Quarter of 2011 (July – September).

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this report and the supporting enclosures are true, accurate and complete

Henry M. Hoffman
Name of Responsible Official (print or type)

General Manager
Title

231-723-6573
Phone Number

Henry M. Hoffman
Signature of Responsible Official

10/24/11
Date

CONTINUOUS EMISSION MONITORING QUARTERLY REPORT

Report Period Ending: March 31 June 30 Sept. 30 X Dec. 31

TESFiler0001857

T.E.S. FILER CITY STATION

II. CONTINUOUS MONITOR OPERATIONAL DATA

	# 1 OPACITY	# 2 OPACITY	INLET #1 SO2	INLET #2 SO2	STACK #1 SO2	STACK #2 SO2	STACK #1 NOx	STACK #2 NOx	STACK #1 CO	STACK #2 CO	INLET # 1 CO2	INLET # 2 CO2	STACK # 1 CO2	STACK # 2 CO2
1. MFG:	Durag, Inc.	Durag, Inc.	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹
2. MODEL NO:	D-R 290	D-R 290	43i	43i	43i	43i	42i	42i	48i	48i	410i	410i	410i	410i
3. SERIAL NO:	425692	425693	0622717879	0622717883	0622717877	0622717880	0623017966	0623017967	0622717887	0622717888	0622717873	0622717875	0622717869	0622717874
4. Basis for Gas Measurement (wet or dry)	N / A	N / A	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET
5. F-Factor Used	N / A	N / A	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	N / A	N / A	N / A	N / A

¹ T. E. I. standards for Thermo Environmental Instruments, Inc.

6. F-Factor Method: Fuel Analyses and Method 19, Equation 19-15 and/or Method 19, Table 19-2. Please note that the fuel factors are unit specific and are based upon the relative amounts (on a heat input basis) of coal, wood, petroleum coke and tire-derived-fuel (TDF) that are fired within a given time period.

7. Ave. Time	6 Minute	6 Minute	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour
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8. Zero/Span
Values

ZERO	0 %	0 %	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 %	0 %	0 %	0 %
SPAN	45 %	45 %	2,000 PPM	2,000 PPM	H: 1,500 PPM ¹ L: 200 PPM ¹	H: 1,500 PPM ¹ L: 200 PPM ¹	500 PPM	500 PPM	500 PPM	500 PPM	20.0 %	20.0 %	20.0 %	20.0 %

¹ The span values for the SO₂ Stack CEMS were revised from 2,000 ppm for the high span and 500 ppm for the low span just prior to the September 2008 Part 75 certification tests. The revised high and low span values were determined in accordance with sections 2.1.1.3 and 2.1.1.4 of Appendix A to 40 CFR Part 75.

T.E.S. FILER CITY STATION

II. CONTINUOUS MONITOR OPERATIONAL DATA

9. Date of Last Performance Specification Test Passed	Monitoring System	RATA	7-Day Calibration Drift Test	Cycle-time Test	COMS Field Audit Test	COMS 168-hr Operational Test
	Boiler 1 Gas CEMS	08/23/2011	10/31/2006 (Stk SO ₂ = 09/25/08)	10/18/2006 (Stk SO ₂ = 10/03/08)	N/A	N/A
	Boiler 1 COMS	N/A	N/A	N/A	08/25/2011	10/26/2006
	Boiler 2 Gas CEMS	08/24/2011	10/31/2006 (Stk SO ₂ = 09/25/08)	10/23/2006 (Stk SO ₂ = 10/03/08)	N/A	N/A
	Boiler 2 COMS	N/A	N/A	N/A	08/25/2011	11/01/2006

10. Modification Since Last PST Date (10-06; 9-08)	# 1 OPACITY	# 2 OPACITY	INLET #1 SO2	INLET #2 SO2	STACK #1 SO2	STACK #2 SO2	STACK #1 NOx	STACK #2 NOx	STACK #1 CO	STACK #2 CO	INLET # 2 CO2	INLET # 2 CO2	STACK #1 CO2	STACK # 2 CO2
	NONE	NONE	NONE	NONE	NONE (Changed high & low span values)	NONE (Changed high & low span values)	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

11. Emission Limits (Averaging Period)	10 % (6-Min)	10 % (6-Min)	N / A	N / A	0.7 lb/mm Btu (24-Hr) 0.5 lb/mm Btu (30-Day)	0.7 lb/mm Btu (24-Hr) 0.5 lb/mm Btu (30-Day)	0.6 lb/mm Btu (30-Day)	0.6 lb/mm Btu (30-Day)	0.3 lb/mm Btu (24-Hour)	0.3 lb/mm Btu (24-Hour)	N / A	N / A	N / A	N / A

T.E.S. FILER CITY STATION

III. MONITORING AND COMPLIANCE SUMMARY (per 40 CFR 60.51a(h))

	<u>YES</u>	<u>NO</u>	<u>REF.</u>
1. Were the required continuous monitoring systems calibrated, span, and drift checks or other periodic audits performed as specified?	<u>X</u>	<u> </u>	<u> </u>
2. Were the data used to show compliance obtained in accordance with approved methods and procedures of Subpart Da?	<u>X</u>	<u> </u>	<u> </u>
3. Are the data representative of plant performance?	<u>X</u>	<u> </u>	<u> </u>
4. Were the minimum data requirements met? If no, were they not met due to unavoidable errors?	<u>X</u>	<u> </u>	<u> </u>
5. Was compliance with the standards achieved during the reporting period?	<u> </u>	<u>X</u>	<u> </u>

Boiler #1

SO ₂ Stack Limit 0.7 lb/MMBTU 24 Hour	<u>X</u>	<u> </u>	<u> </u>
SO ₂ Stack Limit 0.5 lb/MMBTU 30 Day	<u>X</u>	<u> </u>	<u> </u>
SO ₂ 90% Reduction 30 Day	<u>X</u>	<u> </u>	<u> </u>
NO _x Stack Limit 0.6 lb/MMBTU 30 Day	<u>X</u>	<u> </u>	<u> </u>
Opacity Limit >10% 6 Minute Average	<u> </u>	<u>X</u>	<u> </u>

Boiler #2

SO ₂ Stack Limit 0.7 lb/MMBTU 24 Hour	<u>X</u>	<u> </u>	<u> </u>
SO ₂ Stack Limit 0.5 lb/MMBTU 30 Day	<u>X</u>	<u> </u>	<u> </u>
SO ₂ 90% Reduction 30 Day	<u>X</u>	<u> </u>	<u> </u>
NO _x Stack Limit 0.6 lb/MMBTU 30 Day	<u>X</u>	<u> </u>	<u> </u>
Opacity Limit >10% 6 Minute Average	<u> </u>	<u>X</u>	<u> </u>

T.E.S. FILER CITY STATION**V. EXCESS EMISSION REPORT - SO₂ AND NO_x****SO₂ EVENTS (30 Day Rolling Average Limit of 0.5 lb/MMBTU)**

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

SO₂ EVENTS (24 Hour Average Limit of 0.7 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

SO₂ EVENTS (30 Day Rolling Average Limit of SO₂ Percent Reduction: Limit=90%)

Date(s) Occurred	Boiler No.	Value (% removal)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

NO_x EVENTS (30 Day Rolling Average Limit of 0.60 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

OPACITY EVENTS (Excess Emission Notification >10%, 6-Min. Average, for ≥ 2 Hours)

Date(s) Occurred	Boiler No.	Value (% opacity)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

NOTE: All six minute periods during which the average opacity exceeds 10% are identified in the attached monthly "Excess Emissions Report" for Boiler #1 and Boiler #2.

T.E.S. FILER CITY STATION**VI. QUALITY ASSURANCE DATA****1a. OUT-OF-CONTROL ASSESSMENT INFORMATION****BOILER # 1****INLET CO₂ METER**

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717873	None	N / A	N / A

STACK CO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717869	None	N / A	N / A

INLET SO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717879	None	N / A	N / A

STACK SO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717877	None	N / A	N / A

T.E.S. FILER CITY STATION**STACK NO_x METER**

Meter	Date(s) Occurred	Description	Corrective Action
TEI 42i – 0623017966	None	N / A	N / A

OPACITY METER

Meter	Date(s) Occurred	Description	Corrective Action
D-R 290 – 425692	None	N / A	N / A

2a. Other operating days for which data has not been obtained (18 hrs) or excluded from calculation of average emission rates:

Boiler #1

Date(s) Occurred	Description	Corrective Action
None	N / A	N / A

3a. OUT-OF-CONTROL ASSESSMENT INFORMATION

Any Boiler 1 CEMS and COMS out-of-control (OOC) periods are generally associated with equipment replacements or excessive calibration drift (CD) error, and they are summarized in Section VI.1a of this report. During this quarter, there were no OOC periods associated with Relative Accuracy Test Audits (RATAs), Cylinder Gas Audits (CGAs), Linearity Tests or CD Error Tests.

When applicable, the duration of each OOC period or other periods of downtime are summarized in the quarterly report document titled "Downtime Report". The information provided in Section VI.1a of this report provides a summary of the OOC period corrective actions. When required, the corrective actions result in the CDs (or relative accuracies) being within the allowed limits.

T.E.S. FILER CITY STATION**1b. OUT-OF-CONTROL ASSESSMENT INFORMATION****BOILER # 2****INLET CO₂ METER**

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717875	None	N / A	N / A

STACK CO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717874	None	N / A	N / A

INLET SO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717883	None	N / A	N / A

STACK SO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717880	None	N / A	N / A

T.E.S. FILER CITY STATION

STACK NO_x METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 42i – 0623017967	None	N / A	N / A

OPACITY METER

Meter	Date(s) Occurred	Description	Corrective Action
D-R 290 – 425693	None	N / A	N / A

2b. Other operating days for which data has not been obtained (18 hrs) or excluded from calculation of average emission rates:

Boiler #2

Date(s) Occurred	Description	Corrective Action
None	N / A	N / A

3b. OUT-OF-CONTROL ASSESSMENT INFORMATION

Any Boiler 2 CEMS and COMS out-of-control (OOC) periods are generally associated with equipment replacements or excessive calibration drift (CD) error, and they are summarized in Section VI.1b of this report. During this quarter, there were no OOC periods associated with Relative Accuracy Test Audits (RATAs), Cylinder Gas Audits (CGAs) or Linearity Tests. However, there was one OOC period for each gas analyzer during this quarter (associated with excessive calibration error drift). Descriptions of the cause(s) of these OOC periods are contained in Section VI.1b of this report.

When applicable, the duration of each OOC period or other periods of downtime are summarized in the quarterly report document titled "Downtime Report". The information provided in Section VI.1b of this report provides a summary of the OOC period corrective actions. When required, the corrective actions result in the CDs (or relative accuracies) being within the allowed limits.

T.E.S. FILER CITY STATION

4. Full Scale Exceedance: Identification of times when pollutant concentration exceeds full span of the continuous monitoring system.

Date(s) Occurred	Boiler No.	Description	Corrective Action
None	1	N / A	N / A
None	2	N / A	N / A

**TES FILER CITY STATION
AIR EMISSION SUMMARY**

JULY 2011

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE									NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
				<24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			<30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			>90% SO2 REDUCTION LIMIT 30 DAY AVE					
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	44640 /	44640	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
YTD			99.96%			99.10%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	44586 /	44640	99.88%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
YTD			99.73%			99.59%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH

24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING

ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

JUL

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**TES FILER CITY STATION
AIR EMISSION SUMMARY**

AUGUST 2011

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE									NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
				<24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			<30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			>90% SO2 REDUCTION LIMIT 30 DAY AVE					
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	44622 /	44640	99.96%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
YTD			99.96%			99.21%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	42246 /	42318	99.83%	570.0 /	570.0	100.00%	570.0 /	570.0	100.00%	570.0 /	570.0	100.00%	570.0 /	570.0	100.00%
YTD			99.74%			99.64%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH

24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING

ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

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**TES FILER CITY STATION
AIR EMISSION SUMMARY**

SEPTEMBER 2011

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE									NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
				<24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			<30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			>90% SO2 REDUCTION LIMIT 30 DAY AVE					
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	43164 /	43200	99.92%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%
YTD			99.95%			99.30%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	43140 /	43194	99.87%	691.0 /	691.0	100.00%	691.0 /	691.0	100.00%	691.0 /	691.0	100.00%	691.0 /	691.0	100.00%
YTD			99.76%			99.68%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH

24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING

ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

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TES FILER CITY STATION AIR EMISSION SUMMARY

3rd QUARTER 2,011

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE									NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
				<24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			<30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			>90% SO2 REDUCTION LIMIT 30 DAY AVE					
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
JUL	44,640 /	44,640	100.00%	744 /	744	100.00%	744 /	744	100.00%	744 /	744	100.00%	744 /	744	100.00%
AUG	44,622 /	44,640	99.96%	744 /	744	100.00%	744 /	744	100.00%	744 /	744	100.00%	744 /	744	100.00%
SEP	43,164 /	43,200	99.92%	720 /	720	100.00%	720 /	720	100.00%	720 /	720	100.00%	720 /	720	100.00%
3 rd Quarter	132,426 /	132,480	99.96%	2,208 /	2,208	100.00%	2,208 /	2,208	100.00%	2,208 /	2,208	100.00%	2,208 /	2,208	100.00%
YTD			99.95%			99.30%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
JUL	44,586 /	44,640	99.88%	744 /	744	100.00%	744 /	744	100.00%	744 /	744	100.00%	744 /	744	100.00%
AUG	42,246 /	42,318	99.83%	570 /	570	100.00%	570 /	570	100.00%	570 /	570	100.00%	570 /	570	100.00%
SEP	43,140 /	43,194	99.87%	691 /	691	100.00%	691 /	691	100.00%	691 /	691	100.00%	691 /	691	100.00%
3 rd Quarter	129,972 /	130,152	99.86%	2,005 /	2,005	100.00%	2,005 /	2,005	100.00%	2,005 /	2,005	100.00%	2,005 /	2,005	100.00%
YTD			99.76%			99.68%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH

24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING

ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

CEMS Daily Averages - 07/01/11 To 09/30/11

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Period: 07/01/11 00:00:00 To 09/30/11 23:59:59; Records = 92

Date	Operating Hours		NOx		SO2		SO2		SO2		Blr 1&2	
	CEMS		30-Day		24-Hr		30-Day		30-Day		SO2	
			lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	Tons	Vld
07/01/11	24		0.426	30	0.157	24	0.172	30	92.69	30	1.49	24
07/02/11	24		0.424	30	0.161	24	0.171	30	92.75	30	1.55	24
07/03/11	24		0.423	30	0.175	24	0.171	30	92.74	30	1.55	24
07/04/11	24		0.423	30	0.164	24	0.171	30	92.73	30	1.42	24
07/05/11	24		0.421	30	0.234	24	0.173	30	92.66	30	2.13	24
07/06/11	24		0.421	30	0.186	24	0.173	30	92.66	30	1.71	24
07/07/11	24		0.421	30	0.181	24	0.172	30	92.70	30	1.63	24
07/08/11	24		0.421	30	0.200	24	0.172	30	92.69	30	1.74	24
07/09/11	24		0.420	30	0.139	24	0.170	30	92.77	30	1.41	24
07/10/11	24		0.420	30	0.163	24	0.171	30	92.74	30	1.50	24
07/11/11	24		0.420	30	0.209	24	0.172	30	92.66	30	1.86	24
07/12/11	24		0.421	30	0.146	24	0.172	30	92.70	30	1.65	24
07/13/11	24		0.421	30	0.147	24	0.171	30	92.74	30	1.89	24
07/14/11	24		0.422	30	0.188	24	0.171	30	92.71	30	1.61	24
07/15/11	24		0.423	30	0.187	24	0.172	30	92.66	30	1.47	24
07/16/11	24		0.423	30	0.144	24	0.170	30	92.67	30	1.21	24
07/17/11	24		0.423	30	0.171	24	0.171	30	92.63	30	1.37	24
07/18/11	24		0.422	30	0.087	24	0.168	30	92.75	30	0.87	24
07/19/11	24		0.422	30	0.191	24	0.169	30	92.70	30	1.72	24
07/20/11	24		0.422	30	0.128	24	0.169	30	92.73	30	1.31	24
07/21/11	24		0.423	30	0.163	24	0.169	30	92.73	30	1.25	24
07/22/11	24		0.424	30	0.172	24	0.167	30	92.74	30	1.32	24
07/23/11	24		0.425	30	0.156	24	0.166	30	92.75	30	1.40	24
07/24/11	24		0.427	30	0.180	24	0.167	30	92.68	30	1.53	24
07/25/11	24		0.428	30	0.282	24	0.171	30	92.47	30	2.10	24
07/26/11	24		0.429	30	0.211	24	0.172	30	92.42	30	1.91	24
07/27/11	24		0.430	30	0.182	24	0.172	30	92.44	30	1.47	24
07/28/11	24		0.430	30	0.166	24	0.172	30	92.42	30	1.45	24
07/29/11	24		0.430	30	0.154	24	0.172	30	92.45	30	1.29	24
07/30/11	24		0.430	30	0.177	24	0.173	30	92.39	30	1.59	24
07/31/11	24		0.431	30	0.189	24	0.174	30	92.34	30	1.60	24
08/01/11	24		0.431	30	0.156	24	0.174	30	92.33	30	0.74	24
08/02/11	24		0.430	30	0.217	24	0.176	30	92.26	30	1.01	24
08/03/11	24		0.429	30	0.184	24	0.176	30	92.23	30	0.86	24
08/04/11	24		0.428	30	0.130	24	0.173	30	92.37	30	0.61	24
08/05/11	24		0.428	30	0.126	24	0.171	30	92.46	30	0.81	24

Date	Operating Hours		NOx		SO2		SO2		SO2		Blr 1&2	
	CEMS		30-Day		24-Hr		30-Day		30-Day		SO2	
			lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	Tons	Vld
08/06/11	24		0.428	30	0.179	24	0.171	30	92.46	30	1.57	24
08/07/11	24		0.428	30	0.171	24	0.170	30	92.50	30	1.37	24
08/08/11	24		0.428	30	0.228	24	0.173	30	92.39	30	2.01	24
08/09/11	24		0.427	30	0.335	24	0.179	30	92.20	30	2.73	24
08/10/11	24		0.427	30	0.182	24	0.178	30	92.27	30	1.82	24
08/11/11	24		0.426	30	0.171	24	0.178	30	92.26	30	1.53	24
08/12/11	24		0.425	30	0.161	24	0.179	30	92.27	30	1.46	24
08/13/11	24		0.423	30	0.178	24	0.179	30	92.32	30	1.39	24
08/14/11	24		0.423	30	0.173	24	0.178	30	92.37	30	1.33	24
08/15/11	24		0.423	30	0.166	22	0.179	30	92.38	30	1.22	22
08/16/11	24		0.422	30	0.150	24	0.178	30	92.45	30	1.32	24
08/17/11	24		0.422	30	0.203	24	0.182	30	92.31	30	1.73	24
08/18/11	24		0.421	30	0.173	24	0.181	30	92.34	30	1.45	24
08/19/11	24		0.421	30	0.166	24	0.183	30	92.30	30	1.32	24
08/20/11	24		0.421	30	0.180	24	0.183	30	92.30	30	1.15	24
08/21/11	24		0.421	30	0.167	24	0.183	30	92.34	30	1.60	24
08/22/11	24		0.421	30	0.165	24	0.183	30	92.36	30	1.37	24
08/23/11	24		0.420	30	0.200	24	0.184	30	92.36	30	1.74	24
08/24/11	24		0.419	30	0.166	24	0.180	30	92.56	30	1.74	24
08/25/11	24		0.418	30	0.192	24	0.180	30	92.59	30	1.77	24
08/26/11	24		0.418	30	0.201	24	0.180	30	92.56	30	1.94	24
08/27/11	24		0.418	30	0.177	24	0.181	30	92.53	30	1.83	24
08/28/11	24		0.418	30	0.168	24	0.181	30	92.50	30	1.57	24
08/29/11	24		0.417	30	0.179	24	0.181	30	92.48	30	0.85	24
08/30/11	24		0.417	30	0.187	24	0.181	30	92.47	30	0.89	24
08/31/11	24		0.417	30	0.141	24	0.181	30	92.50	30	0.81	24
09/01/11	24		0.419	30	0.155	24	0.178	30	92.59	30	1.55	24
09/02/11	24		0.420	30	0.164	24	0.178	30	92.62	30	1.60	23
09/03/11	24		0.422	30	0.139	24	0.178	30	92.60	30	1.49	24
09/04/11	24		0.423	30	0.208	24	0.181	30	92.48	30	2.07	24
09/05/11	24		0.423	30	0.182	24	0.181	30	92.48	30	1.89	24
09/06/11	24		0.424	30	0.171	24	0.181	30	92.46	30	1.98	24
09/07/11	24		0.425	30	0.193	24	0.180	30	92.50	30	1.74	24
09/08/11	24		0.426	30	0.199	24	0.175	30	92.67	30	1.89	24
09/09/11	24		0.426	30	0.150	24	0.174	30	92.70	30	1.57	24
09/10/11	24		0.426	30	0.180	24	0.174	30	92.68	30	1.82	24
09/11/11	24		0.426	30	0.192	24	0.176	30	92.63	30	1.71	24
09/12/11	24		0.427	30	0.198	24	0.176	30	92.59	30	1.65	24
09/13/11	24		0.427	30	0.266	24	0.180	30	92.43	30	2.45	24
09/14/11	24		0.427	30	0.174	24	0.180	30	92.40	30	0.83	24

Date	Operating Hours		NOx		SO2		SO2		SO2		Blr 1&2	
	CEMS		30-Day		24-Hr		30-Day		30-Day		SO2	
			lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	Tons	Vld
09/15/11	24		0.427	30	0.172	24	0.181	30	92.34	30	1.49	24
09/16/11	24		0.427	30	0.189	24	0.180	30	92.34	30	1.77	24
09/17/11	24		0.426	30	0.197	24	0.181	30	92.32	30	1.79	24
09/18/11	24		0.426	30	0.200	24	0.182	30	92.28	30	1.93	24
09/19/11	24		0.426	30	0.210	24	0.183	30	92.25	30	2.02	24
09/20/11	24		0.426	30	0.198	24	0.184	30	92.21	30	1.87	24
09/21/11	24		0.425	30	0.176	24	0.184	30	92.19	30	1.72	24
09/22/11	24		0.424	30	0.247	24	0.186	30	92.13	30	2.24	24
09/23/11	24		0.424	30	0.154	24	0.186	30	92.12	30	1.61	24
09/24/11	24		0.424	30	0.159	24	0.185	30	92.15	30	1.65	24
09/25/11	24		0.425	30	0.169	24	0.183	30	92.18	30	1.42	24
09/26/11	24		0.425	30	0.184	24	0.184	30	92.17	30	1.66	24
09/27/11	24		0.424	30	0.233	24	0.186	30	92.08	30	2.18	24
09/28/11	24		0.424	30	0.232	24	0.188	30	92.02	30	1.98	24
09/29/11	24		0.424	30	0.224	24	0.189	30	91.98	30	1.97	24
09/30/11	24		0.423	30	0.206	24	0.191	30	91.89	30	2.06	24

CEMS Daily Averages - 07/01/11 To 09/30/11

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Period: 07/01/11 00:00:00 To 09/30/11 23:59:59; Records = 92

Date	Operating Hours		NOx		SO2		SO2		SO2	
	CEMS		30-Day	Vld	24-Hr	Vld	30-Day	Vld	% Red.	Vld
07/01/11	24		0.389	30	0.156	24	0.157	30	93.25	30
07/02/11	24		0.388	30	0.164	24	0.157	30	93.25	30
07/03/11	24		0.388	30	0.152	24	0.157	30	93.26	30
07/04/11	24		0.388	30	0.135	24	0.157	30	93.26	30
07/05/11	24		0.386	30	0.218	24	0.160	30	93.13	30
07/06/11	24		0.386	30	0.175	24	0.162	30	93.06	30
07/07/11	24		0.386	30	0.166	24	0.162	30	93.08	30
07/08/11	24		0.386	30	0.169	24	0.163	30	93.03	30
07/09/11	24		0.385	30	0.158	24	0.163	30	93.05	30
07/10/11	24		0.385	30	0.153	24	0.161	30	93.12	30
07/11/11	24		0.385	30	0.185	24	0.162	30	93.09	30
07/12/11	24		0.385	30	0.202	24	0.163	30	93.04	30
07/13/11	24		0.385	30	0.244	24	0.165	30	92.93	30
07/14/11	24		0.385	30	0.158	24	0.164	30	92.96	30
07/15/11	24		0.385	30	0.128	24	0.163	30	92.97	30
07/16/11	24		0.385	30	0.113	24	0.161	30	93.03	30
07/17/11	24		0.384	30	0.121	24	0.160	30	93.03	30
07/18/11	24		0.383	30	0.096	24	0.159	30	93.09	30
07/19/11	24		0.382	30	0.173	24	0.160	30	93.05	30
07/20/11	24		0.382	30	0.149	24	0.160	30	93.02	30
07/21/11	24		0.383	30	0.105	24	0.158	30	93.11	30
07/22/11	24		0.384	30	0.111	24	0.156	30	93.15	30
07/23/11	24		0.384	30	0.141	24	0.155	30	93.14	30
07/24/11	24		0.384	30	0.145	24	0.154	30	93.14	30
07/25/11	24		0.384	30	0.169	24	0.155	30	93.06	30
07/26/11	24		0.384	30	0.193	24	0.156	30	92.98	30
07/27/11	24		0.383	30	0.130	24	0.156	30	92.97	30
07/28/11	24		0.382	30	0.140	24	0.155	30	92.93	30
07/29/11	24		0.381	30	0.117	24	0.153	30	92.87	30
07/30/11	24		0.381	30	0.158	24	0.154	30	92.70	30
07/31/11	24		0.381	30	0.153	24	0.154	30	92.52	30
08/01/11	1		0.381	30	0.075	01	0.154	30	92.52	30
08/02/11	0		0.381	30	0.000	00	0.154	30	92.52	30
08/03/11	0		0.381	30	0.000	00	0.154	30	92.52	30
08/04/11	0		0.381	30	0.000	00	0.154	30	92.52	30
08/05/11	10		0.381	30	0.638	10	0.154	30	92.52	30

Date	Operating Hours		NOx		SO2		SO2		SO2		0.00
	CEMS		30-Day		24-Hr		30-Day		30-Day		
			lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	
08/06/11	24		0.380	30	0.154	24	0.154	30	92.40	30	0.00
08/07/11	24		0.380	30	0.122	24	0.153	30	92.37	30	0.00
08/08/11	24		0.380	30	0.200	24	0.155	30	92.18	30	0.00
08/09/11	24		0.380	30	0.254	24	0.156	30	92.01	30	0.00
08/10/11	24		0.381	30	0.205	24	0.157	30	91.90	30	0.00
08/11/11	24		0.381	30	0.153	24	0.157	30	91.85	30	0.00
08/12/11	24		0.381	30	0.147	24	0.156	30	91.81	30	0.00
08/13/11	24		0.380	30	0.119	24	0.155	30	91.81	30	0.00
08/14/11	24		0.379	30	0.114	24	0.154	30	91.82	30	0.00
08/15/11	24		0.379	30	0.120	22	0.151	30	91.92	30	0.00
08/16/11	24		0.378	30	0.134	24	0.149	30	91.97	30	0.00
08/17/11	24		0.378	30	0.169	24	0.147	30	92.05	30	0.00
08/18/11	24		0.378	30	0.137	24	0.146	30	92.08	30	0.00
08/19/11	24		0.377	30	0.119	24	0.146	30	91.88	30	0.00
08/20/11	24		0.378	30	0.070	24	0.144	30	91.80	30	0.00
08/21/11	24		0.379	30	0.173	24	0.146	30	91.73	30	0.00
08/22/11	24		0.380	30	0.128	24	0.147	30	91.40	30	0.00
08/23/11	24		0.380	30	0.170	24	0.147	30	91.43	30	0.00
08/24/11	24		0.379	30	0.198	24	0.149	30	91.37	30	0.00
08/25/11	24		0.379	30	0.180	24	0.151	30	91.29	30	0.00
08/26/11	24		0.379	30	0.207	24	0.154	30	91.20	30	0.00
08/27/11	24		0.380	30	0.206	24	0.156	30	91.14	30	0.00
08/28/11	22		0.380	30	0.176	22	0.156	30	91.14	30	0.00
08/29/11	0		0.380	30	0.000	00	0.156	30	91.14	30	0.00
08/30/11	0		0.380	30	0.000	00	0.156	30	91.14	30	0.00
08/31/11	9		0.380	30	0.057	09	0.156	30	91.14	30	0.00
09/01/11	24		0.380	30	0.169	24	0.157	30	91.14	30	0.00
09/02/11	24		0.379	30	0.190	23	0.158	30	91.16	30	0.00
09/03/11	24		0.379	30	0.172	24	0.157	30	91.23	30	0.00
09/04/11	24		0.378	30	0.228	24	0.160	30	91.11	30	0.00
09/05/11	24		0.379	30	0.213	24	0.163	30	91.10	30	0.00
09/06/11	24		0.380	30	0.241	24	0.167	30	91.05	30	0.00
09/07/11	24		0.380	30	0.173	24	0.168	30	91.16	30	0.00
09/08/11	24		0.380	30	0.195	24	0.169	30	91.30	30	0.00
09/09/11	24		0.380	30	0.176	24	0.170	30	91.40	30	0.00
09/10/11	24		0.380	30	0.199	24	0.172	30	91.38	30	0.00
09/11/11	24		0.380	30	0.168	24	0.171	30	91.54	30	0.00
09/12/11	24		0.380	30	0.152	24	0.168	30	91.79	30	0.00
09/13/11	17		0.380	30	0.357	17	0.168	30	91.79	30	0.00
09/14/11	2		0.380	30	0.346	02	0.168	30	91.79	30	0.00

Date	Operating Hours		NOx		SO2		SO2		SO2		
	CEMS		30-Day		24-Hr		30-Day		30-Day		
			lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	
09/15/11	24		0.380	30	0.175	24	0.166	30	91.90	30	0.00
09/16/11	24		0.379	30	0.178	24	0.167	30	91.93	30	0.00
09/17/11	24		0.379	30	0.175	24	0.168	30	91.95	30	0.00
09/18/11	24		0.379	30	0.203	24	0.171	30	91.90	30	0.00
09/19/11	24		0.379	30	0.214	24	0.174	30	91.83	30	0.00
09/20/11	24		0.379	30	0.195	24	0.177	30	91.75	30	0.00
09/21/11	24		0.378	30	0.185	24	0.178	30	91.74	30	0.00
09/22/11	24		0.378	30	0.226	24	0.180	30	91.71	30	0.00
09/23/11	24		0.377	30	0.184	24	0.182	30	91.66	30	0.00
09/24/11	24		0.377	30	0.187	24	0.184	30	91.79	30	0.00
09/25/11	24		0.376	30	0.132	24	0.186	30	91.86	30	0.00
09/26/11	24		0.375	30	0.168	24	0.186	30	91.87	30	0.00
09/27/11	24		0.373	30	0.226	24	0.189	30	92.05	30	0.00
09/28/11	24		0.372	30	0.185	24	0.190	30	92.03	30	0.00
09/29/11	24		0.371	30	0.191	24	0.190	30	92.05	30	0.00
09/30/11	24		0.370	30	0.224	24	0.191	30	92.00	30	0.00

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 Opacity

Emission Limitation: 10

Reporting Period Dates: From 7/01/2011 To 9/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/25/11

Total Source Operating Time in Reporting Period: 22080 periods

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	22	0.10
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	22	0.10

Durations in 6-minute periods

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time / Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	7	0.03
5. Unknown Causes	2	0.01
2. Total duration of excess emissions.....	9	0.04

Durations in 6-minute periods

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions / Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice
NAME

Jason M. Prentice
SIGNATURE

Env. Planner
TITLE

10/28/11
DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 1 NOx lb/mmBtu 30-Day
Emission Limitation: 0.60
Reporting Period Dates: From 7/01/2011 To 9/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/23/11

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary

Total CEMS Downtimes including exemptions

	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	2	0.09
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	2	0.09

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice
NAME

Jason M. Prentice
SIGNATURE

Env. Planner
TITLE

10/28/11
DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO₂ lb/mmBtu 24-Hr

Emission Limitation: 0.7

Reporting Period Dates: From 7/01/2011 To 9/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/23/11

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	2	0.09
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	2	0.09

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	% Excess Emissions(2)	
	Duration	
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice
NAME

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SIGNATURE

Env. Planner
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10/28/11
DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO₂ lb/mmBtu 30-Day

Emission Limitation: 0.5

Reporting Period Dates: From 7/01/2011 To 9/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/23/11

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	%
		Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	2	0.09
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	2	0.09

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time / Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess
		Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions / Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice
NAME

Jason M. Prentice
SIGNATURE

Env. Planner
TITLE

10/28/11
DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO2 Reduction 30-Day

Emission Limitation: 90

Reporting Period Dates: From 7/01/2011 To 9/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/23/11

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	%
		Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	2	0.09
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	2	0.09

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess
		Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice
NAME

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Env. Planner
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10/28/11
DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boilers Total SO2 Tons

Emission Limitation: 6.45

Reporting Period Dates: From 7/01/2011 To 9/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boilers

Date of Last CEMS Certification or Audit: 08/24/11

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	2	0.09
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	2	0.09

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 CO lb/mmBtu 24-Hr

Emission Limitation: 0.300

Reporting Period Dates: From 7/01/2011 To 9/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/23/11

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	2	0.09
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	2	0.09

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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10/28/11
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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 CO lb/hr 24-Hr

Emission Limitation: 115.2

Reporting Period Dates: From 7/01/2011 To 9/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/23/11

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	2	0.09
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	2	0.09

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 Opacity

Emission Limitation: 10

Reporting Period Dates: From 7/01/2011 To 9/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 08/25/11

Total Source Operating Time in Reporting Period: 21692 periods

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	29	0.13
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	29	0.13

Durations in 6-minute periods

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	1	0.00
3. Process Problems	5	0.02
4. Other Known Causes	22	0.10
5. Unknown Causes	2	0.01
2. Total duration of excess emissions.....	30	0.14

Durations in 6-minute periods

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 2 NOx lb/mmBtu 30-Day
Emission Limitation: 0.60
Reporting Period Dates: From 7/01/2011 To 9/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 08/24/11

Total Source Operating Time in Reporting Period: 2005 hours

CEMS Performance Summary		Total CEMS Downtimes including exemptions	
			%
1. CEMS downtime in reporting period due to:	Duration	Unavailable (1)	
1. Monitor Equipment Malfunctions	0	0.00	
2. Non-Monitor CEMS Equipment Malfunction	0	0.00	
3. Calibration/QA	2	0.10	
4. Other Known Causes	0	0.00	
5. Unknown Causes	0	0.00	
2. Total CEMS Downtime	2	0.10	

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

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10/28/11
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Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 SO₂ lb/mmBtu 24-Hr

Emission Limitation: 0.7

Reporting Period Dates: From 7/01/2011 To 9/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 08/24/11

Total Source Operating Time in Reporting Period: 2005 hours

CEMS Performance Summary

Total CEMS Downtimes including exemptions

	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	2	0.10
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	2	0.10

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 2 SO₂ lb/mmBtu 30-Day
Emission Limitation: 0.5
Reporting Period Dates: From 7/01/2011 To 9/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 08/24/11

Total Source Operating Time in Reporting Period: 2005 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	2	0.10
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	2	0.10

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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10/28/11
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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 2 SO₂ Reduction 30-Day

Emission Limitation: 90

Reporting Period Dates: From 7/01/2011 To 9/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 08/24/11

Total Source Operating Time in Reporting Period: 2005 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	2	0.10
4. Other Known Causes	3	0.15
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	5	0.25

Durations in hours

(1) % Unavailable is calculated by the following formula:

$$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$$

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	% Excess Emissions(2)	
	Duration	
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$$

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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10/28/11
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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 CO lb/mmBtu 24-Hr

Emission Limitation: 0.300

Reporting Period Dates: From 7/01/2011 To 9/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 08/24/11

Total Source Operating Time in Reporting Period: 2005 hours

CEMS Performance Summary

Total CEMS Downtimes
including exemptions

	Duration	%
		Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	2	0.10
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	2	0.10
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	4	0.20

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess
		Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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10/28/11
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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 2 CO lb/hr 24-Hr
Emission Limitation: 115.2
Reporting Period Dates: From 7/01/2011 To 9/30/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 08/24/11

Total Source Operating Time in Reporting Period: 2005 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	2	0.10
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	3	0.15
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	5	0.25

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Opacity

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration Periods	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	08/25/11 07:48:37	08/25/11 07:59:37	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	Completed Annual Opacity Test.
2	08/25/11 08:12:37	08/25/11 10:11:40	20	15=Preventative Maintenance	3=Quality Assurance Calibrations	Completed Annual Opacity Test.

Total Downtime in the Reporting Period = 22 Periods , Data Availability for this Reporting Period = 99.90 %

Total Operating Time in the Reporting Period = 22080 Periods

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: NOx CEMS

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	08/15/11 09:00:34	08/15/11 10:59:36	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	Replaced Koby Filters in ACU System.

Total Downtime in the Reporting Period = 2 hours , Data Availability for this Reporting Period = 99.91 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 CEMS

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	08/15/11 09:00:34	08/15/11 10:59:36	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	Replaced Koby Filters in ACU System.

Total Downtime in the Reporting Period = 2 hours , Data Availability for this Reporting Period = 99.91 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO #/MMBTU CEMS

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	08/15/11 09:00:34	08/15/11 10:59:36	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	Replaced Koby Filters in ACU System.

Total Downtime in the Reporting Period = 2 hours , Data Availability for this Reporting Period = 99.91 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO #/HOUR CEMS

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	08/15/11 09:00:34	08/15/11 10:59:36	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	Replaced Koby Filters in ACU System.

Total Downtime in the Reporting Period = 2 hours , Data Availability for this Reporting Period = 99.91 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO2 Analyzer

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	08/15/11 09:00:34	08/15/11 10:59:36	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	Replaced Koby Filters in ACU System.

Total Downtime in the Reporting Period = 2 hours , Data Availability for this Reporting Period = 99.91 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Flow Analyzer

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Inlet SO2 CEMS

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	08/15/11 09:00:34	08/15/11 09:59:34	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Replaced Koby Filters in ACU System.

Total Downtime in the Reporting Period = 1 hours , Data Availability for this Reporting Period = 99.95 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Inlet CO2 Analyzer

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	08/15/11 09:00:34	08/15/11 09:59:34	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Replaced Koby Filters in ACU System.

Total Downtime in the Reporting Period = 1 hours , Data Availability for this Reporting Period = 99.95 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Opacity

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration Periods	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	08/10/11 10:00:38	08/10/11 10:17:39	3	15=Preventative Maintenance	3=Quality Assurance Calibrations	Completed Annual Opacity Test
2	08/25/11 08:48:36	08/25/11 11:23:39	26	15=Preventative Maintenance	3=Quality Assurance Calibrations	Completed Annual Opacity Test

Total Downtime in the Reporting Period = 29 Periods , Data Availability for this Reporting Period = 99.87 %

Total Operating Time in the Reporting Period = 21692 Periods

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: NOx CEMS

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	08/15/11 09:00:35	08/15/11 10:59:36	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	Replaced Koby Filters in ACU System.

Total Downtime in the Reporting Period = 2 hours , Data Availability for this Reporting Period = 99.90 %

Total Operating Time in the Reporting Period = 2005 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 CEMS

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	08/15/11 09:00:35	08/15/11 10:59:36	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	Replaced Koby Filters in ACU System.

Total Downtime in the Reporting Period = 2 hours , Data Availability for this Reporting Period = 99.90 %

Total Operating Time in the Reporting Period = 2005 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO #/MMBTU CEMS

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	08/15/11 09:00:35	08/15/11 10:59:36	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	Replaced Koby Filters in ACU System.
2	09/11/11 01:00:43	09/11/11 02:59:37	2	12=Excess Drift Ancillary Analyzer	1=Monitor Equip Malfunctions	Replaced AGC Detector-Performed QA Checks

Total Downtime in the Reporting Period = 4 hours , Data Availability for this Reporting Period = 99.80 %

Total Operating Time in the Reporting Period = 2005 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler2

Parameter: CO #/HOUR CEMS

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	08/15/11 09:00:35	08/15/11 10:59:36	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	Replaced Koby Filters in ACU System.
2	09/02/11 10:00:37	09/02/11 10:59:37	1	14=Recalibration	3=Quality Assurance Calibrations	Completed QA Checks
3	09/11/11 01:00:43	09/11/11 02:59:37	2	12=Excess Drift Ancillary Analyzer	1=Monitor Equip Malfunctions	Replaced AGC Detector-Performed QA Checks

Total Downtime in the Reporting Period = 5 hours , Data Availability for this Reporting Period = 99.75 %

Total Operating Time in the Reporting Period = 2005 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO2 Analyzer

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	08/15/11 09:00:35	08/15/11 10:59:36	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	Replaced Koby Filters in ACU System.

Total Downtime in the Reporting Period = 2 hours , Data Availability for this Reporting Period = 99.90 %

Total Operating Time in the Reporting Period = 2005 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Flow Analyzer

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2005 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Inlet SO2 CEMS

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	08/15/11 09:00:35	08/15/11 09:59:35	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Replaced Koby Filters in ACU System.
2	08/18/11 11:00:44	08/18/11 11:59:44	1	20=Corrective Maintenance	4=Other Known Causes	Cleaned Inlet Probe Extension/Replaced O-Rings.
3	08/22/11 07:00:39	08/22/11 08:59:35	2	20=Corrective Maintenance	4=Other Known Causes	Repaired Sample Probe Extension Tube

Total Downtime in the Reporting Period = 4 hours , Data Availability for this Reporting Period = 99.80 %

Total Operating Time in the Reporting Period = 2005 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Inlet CO2 Analyzer

Data in the Reporting Period: 07/01/11 to 09/30/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	08/15/11 09:00:35	08/15/11 09:59:35	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Replaced Koby Filters in ACU System.
2	08/18/11 11:00:44	08/18/11 11:59:44	1	20=Corrective Maintenance	4=Other Known Causes	Cleaned Inlet Probe Extension/Replaced O-Rings.
3	08/22/11 07:00:39	08/22/11 08:59:35	2	20=Corrective Maintenance	4=Other Known Causes	Repaired Sample Probe Extension tube

Total Downtime in the Reporting Period = 4 hours , Data Availability for this Reporting Period = 99.80 %

Total Operating Time in the Reporting Period = 2005 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Opacity

Limit: 10

Data in the Reporting Period: 07/01/11 to 09/30/11

Inc No.	Start Date	End Date	Duration Periods	Emission Reading	EPA Category	Reason for Incident	Corrective Action
1	08/09/11 10:42:38	08/09/11 10:53:40	2	23	Other Known Causes	Atomizer #1 Changeout, Baghouse in	Atomizer Change-out Complete.
2	08/17/11 07:12:37	08/17/11 07:17:37	1	69	Other Known Causes	Atomizer #1 changeout, Baghouse	Atomizer change-out complete. Baghouse
3	09/06/11 03:18:37	09/06/11 03:29:38	2	47	Other Known Causes	Atomizer #1 Changeout, Baghouse in	Atomizer change-out complete. Baghouse
4	09/13/11 03:30:43	09/13/11 03:41:43	2	25	Other Known Causes	Atomizer #1 Changeout, Baghouse in	Atomizer change-out complete. Baghouse
5	09/20/11 04:48:37	09/20/11 04:59:36	2	28	Unknown Causes		

Total Duration in the Reporting Period = 9 Periods , Percentage of Operating Time above Excess Emission Limit = 0.04 %

Total Operating Time in the Reporting Period = 22080 Periods

TESFiler0001910

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: NOx lb/mmBtu 30-Day

Limit: 0.60

Data in the Reporting Period: 07/01/11 to 09/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 lb/mmBtu Daily Ave.

Limit: 0.7

Data in the Reporting Period: 07/01/11 to 09/30/11

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 lb/mmBtu 30-Day

Limit: 0.5

Data in the Reporting Period: 07/01/11 to 09/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 Reduction 30-Day

Limit: 90

Data in the Reporting Period: 07/01/11 to 09/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boilers

Parameter: Total SO2 Tons

Limit: 6.45

Data in the Reporting Period: 07/01/11 to 09/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO lb/mmBtu 24-Hr Roll

Limit: 0.300

Data in the Reporting Period: 07/01/11 to 09/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO lb/hr 24-Hr Roll

Limit: 115.2

Data in the Reporting Period: 07/01/11 to 09/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Opacity

Limit: 10

Data in the Reporting Period: 07/01/11 to 09/30/11

Inc No.	Start Date	End Date	Duration Periods	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
1	07/12/11 06:06:33	07/12/11 06:11:33	1	12	12	Other Known Causes	Baghouse bypass due to Atomizer	Completed Atomizer Changeout.
2	07/13/11 07:36:40	07/13/11 07:59:40	4	59	84	Other Known Causes	Baghouse bypass due to Atomizer	Completed Atomizer Changeout
3	07/19/11 09:00:38	07/19/11 09:17:38	3	55	87	Other Known Causes	Baghouse bypass due to Atomizer	Completed Atomizer Changeout
4	07/26/11 09:54:35	07/26/11 09:59:35	1	24	24	Other Known Causes	Baghouse bypass due to Atomizer	Completed Atomizer Changeout.
5	08/09/11 13:06:39	08/09/11 13:17:34	2	36	45	Other Known Causes	Baghouse bypass due to Atomizer	Completed Atomizer Changeout.
6	08/09/11 15:18:41	08/09/11 15:23:41	1	13	13	Other Known Causes	Troubleshooting Baghouse for Leaks.	Completed Troubleshooting Baghouse for
7	08/10/11 11:48:35	08/10/11 11:53:35	1	12	12	Other Known Causes	Soot Blowing	Completed Blowing soots
8	08/17/11 09:30:37	08/17/11 09:41:38	2	51	77	Other Known Causes	Atomizer change-out Baghouse bypass	Completed atomizer change out Baghouse
9	08/23/11 12:00:37	08/23/11 12:11:37	2	55	88	Other Known Causes	Atomizer change out Baghouse bypass	Completed atomizer change out Baghouse
10	08/24/11 17:00:41	08/24/11 17:05:41	1	31	31	Other Known Causes	atomizer change out Baghouse bypass	Completed atomizer change out Baghouse
11	08/28/11 21:18:33	08/28/11 21:35:41	3	52	70	Process Problems	Em Shutdown-Water Wall Leak-Baghouse	Shutdown Completed
12	09/02/11 12:24:43	09/02/11 12:29:43	1	29	29	Control Equip Problems	Low Plant Air Pressure caused Baghouse	Corrected Low Air Pressure Problem.
13	09/06/11 11:48:40	09/06/11 11:59:40	2	59	89	Other Known Causes	Atomizer change out Baghouse bypass Hi	Atomizer change-out complete. Baghouse
14	09/13/11 09:24:42	09/13/11 09:35:43	2	44	77	Other Known Causes	Atomizer Changeout-Baghouse Bypass	Completed Atomizer Change out-Baghouse
15	09/13/11 16:54:42	09/13/11 17:05:42	2	28	37	Process Problems	Em Shutdown-Water Wall Leak-Baghouse	Shutdown completed
16	09/20/11 09:42:39	09/20/11 09:47:39	1	11	11	Unknown Causes		
17	09/27/11 09:18:36	09/27/11 09:23:36	1	36	36	Unknown Causes		

Total Duration in the Reporting Period = 30 Periods , Percentage of Operating Time above Excess Emission Limit = 0.14 %

Total Operating Time in the Reporting Period = 21692 Periods

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: NOx lb/mmBtu 30-Day

Limit: 0.60

Data in the Reporting Period: 07/01/11 to 09/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2005 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 lb/mmBtu Daily Ave.

Limit: 0.7

Data in the Reporting Period: 07/01/11 to 09/30/11

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2005 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 lb/mmBtu 30-Day

Limit: 0.5

Data in the Reporting Period: 07/01/11 to 09/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2005 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 Reduction 30-Day

Limit: 90

Data in the Reporting Period: 07/01/11 to 09/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2005 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO lb/mmBtu 24-Hr Roll

Limit: 0.300

Data in the Reporting Period: 07/01/11 to 09/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2005 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO lb/hr 24-Hr Roll

Limit: 115.2

Data in the Reporting Period: 07/01/11 to 09/30/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2005 hours

AUDIT DATA SHEET

DURAG MODEL 290 TRANSMISSOMETER

DATE	<u>8/25/2011</u>
SOURCE	<u>T.E.S. Filer City</u>
UNIT	<u>#1</u>
AUDITOR	<u>BMGlendening</u>
ATTENDEES	<u>Dan Hintzman</u>
	<u>Arthur Patten</u>

PRELIMINARY DATA

STACK EXIT INSIDE DIAMETER = Lx
 STACK INSIDE DIAMETER AT TRANSMISSOMETER LOCATION = Lt
 CALCULATED STR = Lx/Lt
 SOURCE CITED STR VALUE
 SOURCE CITED ZERO CALIBRATION VALUE
 SOURCE CITED SPAN CALIBRATION VALUE

<u>6'-4"</u>
<u>6'-4"</u>
<u>1</u>
<u>1</u>
<u>0.0</u>
<u>45.50</u>

FAULT LAMP INSPECTION

CAL FAULT
 DIRTY WINDOW
 PURGE AIR
 STACK POWER
 LAMP FAILURE
 ALARM

<u>OFF</u>
<u>OFF</u>
<u>OFF</u>
<u>OFF</u>
<u>OFF</u>
<u>OFF</u>

ZERO CHECK

PANEL METER ZERO CALIBRATION VALUE
 OPACITY DATA RECORDER ZERO CALIBRATION VALUE

<u>0.00</u>
<u>-0.01</u>

SPAN CHECK

PANEL METER SPAN CALIBRATION VALUE
 OPACITY DATA RECORDER SPAN CALIBRATION VALUE

<u>45.00</u>
<u>44.98</u>

RETROREFLECTOR DUST ACCUMULATION CHECK

PRE-CLEANING EFFLUENT OPACITY
 POST-CLEANING EFFLUENT OPACITY

<u>0.00</u>
<u>-0.70</u>

TRANSCIEVER DUST ACCUMULATION CHECK

PRE-CLEANING EFFLUENT OPACITY
 POST-CLEANING EFFLUENT OPACITY

<u>-0.70</u>
<u>-0.89</u>

OPTICAL ALIGNMENT CHECK

DESCRIBE IMAGE ALIGNMENT

<u>Centered</u>

CALIBRATION ERROR CHECK

<u>FILTER</u>	<u>SERIAL NO.</u>	<u>% OPACITY</u>	<u>% OPACITY CORRECTED FOR ZERO OFFSET AND OPLR</u>
LOW	VN49	16.6	16.74
MID	VN50	24.7	24.83
HIGH	VN51	45.7	45.79

INSTANTANEOUS CHECK

<u>ZERO</u>	<u>LOW</u>	<u>MID</u>	<u>HIGH</u>	<u>ZERO</u>
-0.03	16.84	25.02	46.22	0.01
	16.83	25.06	46.26	0.14
	16.85	25.05	46.28	0.13
	16.91	25.09	46.30	0.13
	16.98	25.09	46.30	0.17

6-MINUTE AVERAGE CHECK

<u>ZERO</u>	<u>LOW</u>	<u>MID</u>	<u>HIGH</u>	<u>ZERO</u>
0.17	17.05	25.17	46.37	0.21
<u>TIME</u>	<u>TIME</u>	<u>TIME</u>	<u>TIME</u>	<u>TIME</u>
9:01-9:06	9:11-9:16	9:25-9:30	9:38-9:43	9:51-9:56

CALIBRATION ERROR CALCULATIONS**LOW-RANGE DIFFERENCE**

<u>READING</u>	<u>FILTER</u>	<u>DIFF</u>	<u>DIFF^2</u>
16.84	16.74	0.10	0.01
16.83	16.74	0.09	0.01
16.85	16.74	0.11	0.01
16.91	16.74	0.17	0.03
16.98	16.74	0.24	0.06
SUM		0.71	0.12

MEAN ERROR = 0.14

CONFIDENCE INTERVAL = 0.08

CALIBRATION ERROR = 0.22

MID-RANGE DIFFERENCE

<u>READING</u>	<u>FILTER</u>	<u>DIFF</u>	<u>DIFF^2</u>
25.02	24.83	0.19	0.04
25.06	24.83	0.23	0.05
25.05	24.83	0.22	0.05
25.09	24.83	0.26	0.07
25.09	24.83	0.26	0.07
SUM		1.16	0.27

MEAN ERROR = 0.23

CONFIDENCE INTERVAL = 0.04

CALIBRATION ERROR = 0.27

HIGH-RANGE DIFFERENCE

<u>READING</u>	<u>FILTER</u>	<u>DIFF</u>	<u>DIFF^2</u>
46.22	45.79	0.43	0.18
46.26	45.79	0.47	0.22
46.28	45.79	0.49	0.24
46.30	45.79	0.51	0.26
46.30	45.79	0.51	0.26
SUM		2.41	1.17

MEAN ERROR = 0.48

CONFIDENCE INTERVAL = 0.04

CALIBRATION ERROR = 0.52

SIX-MINUTE AVERAGE ERROR

	<u>READING</u>	<u>FILTER</u>	<u>DIFF</u>
LOW	17.05	16.74	0.31
MID	25.17	24.83	0.34
HIGH	46.37	45.79	0.58

**FILER CITY UNIT 1
DATA SUMMARY**

PARAMETER	AUDIT RESULTS	SPECIFICATION
FAULT LAMPS		
CAL FAULT	OFF	OFF
DIRTY WINDOW	OFF	OFF
PURGE AIR	OFF	OFF
STACK POWER	OFF	OFF
LAMP FAILURE	OFF	OFF
ALARM	OFF	OFF
STACK EXIT CORRELATION ERROR	0.00%	+/- 2%
ZERO ERROR	-0.01%	+/- 4%
SPAN ERROR	-0.52%	+/- 4%
ALIGNMENT	Centered	CENTERED
OPTICAL DUST ACCUMULATION		
RETROREFLECTOR	0.70%	≤ 2%
TRANSCIEVER	0.19%	≤ 2%
TOTAL	0.89%	≤ 4%
CALIBRATION ERROR ANALYSIS		
MEAN ERROR		
LOW	0.14	
* MID	0.31	
* MID	0.23	
* HIGH	0.34	
* HIGH	0.48	
* HIGH	0.58	
CONFIDENCE INTERVAL		
LOW	0.08	
MID	0.04	
HIGH	0.04	
CALIBRATION ERROR		
LOW	0.22	≤ 3%
MID	0.27	≤ 3%
HIGH	0.52	≤ 3%

* ERROR BASED ON SIX-MINUTE AVERAGE DATA FROM A SINGLE FILTER INSERTION

AUDIT DATA SHEET

DURAG MODEL 290 TRANSMISSOMETER

DATE	<u>8/25/2011</u>
SOURCE	<u>T.E.S. Filer City</u>
UNIT	<u>#2</u>
AUDITOR	<u>B M Glendening</u>
ATTENDEES	<u>Dan Hintzman</u>
	<u>Arthur Patten</u>

PRELIMINARY DATA

STACK EXIT INSIDE DIAMETER = Lx
 STACK INSIDE DIAMETER AT TRANSMISSOMETER LOCATION = Lt
 CALCULATED STR = Lx/Lt
 SOURCE CITED STR VALUE
 SOURCE CITED ZERO CALIBRATION VALUE
 SOURCE CITED SPAN CALIBRATION VALUE

<u>6'-4"</u>
<u>6'-4"</u>
<u>1</u>
<u>1</u>
<u>0.0</u>
<u>45.50</u>

FAULT LAMP INSPECTION

CAL FAULT
 DIRTY WINDOW
 PURGE AIR
 STACK POWER
 LAMP FAILURE
 ALARM

<u>OFF</u>
<u>OFF</u>
<u>OFF</u>
<u>OFF</u>
<u>OFF</u>
<u>OFF</u>

ZERO CHECK

PANEL METER ZERO CALIBRATION VALUE
 OPACITY DATA RECORDER ZERO CALIBRATION VALUE

<u>0.00</u>
<u>0.04</u>

SPAN CHECK

PANEL METER SPAN CALIBRATION VALUE
 OPACITY DATA RECORDER SPAN CALIBRATION VALUE

<u>45.30</u>
<u>45.36</u>

RETROREFLECTOR DUST ACCUMULATION CHECK

PRE-CLEANING EFFLUENT OPACITY
 POST-CLEANING EFFLUENT OPACITY

<u>5.61</u>
<u>3.61</u>

TRANSCEIVER DUST ACCUMULATION CHECK

PRE-CLEANING EFFLUENT OPACITY
 POST-CLEANING EFFLUENT OPACITY

<u>3.61</u>
<u>4.39</u>

OPTICAL ALIGNMENT CHECK

DESCRIBE IMAGE ALIGNMENT

<u>Centered</u>

CALIBRATION ERROR CHECK

<u>FILTER</u>	<u>SERIAL NO.</u>	<u>% OPACITY CORRECTED</u>	
		<u>% OPACITY</u>	<u>FOR ZERO OFFSET AND OPLR</u>
LOW	VN49	16.6	16.64
MID	VN50	24.7	24.74
HIGH	VN51	45.7	45.73

INSTANTANEOUS CHECK

<u>ZERO</u>	<u>LOW</u>	<u>MID</u>	<u>HIGH</u>	<u>ZERO</u>
0.00	17.04	25.01	45.93	0.04
	16.93	25.04	45.96	0.01
	17.08	24.99	45.96	0.01
	17.08	25.02	45.93	0.04
	17.08	25.08	45.98	0.05

6-MINUTE AVERAGE CHECK

<u>ZERO</u>	<u>LOW</u>	<u>MID</u>	<u>HIGH</u>	<u>ZERO</u>
0.13	17.11	25.17	46.21	0.23
<u>TIME</u>	<u>TIME</u>	<u>TIME</u>	<u>TIME</u>	<u>TIME</u>
10:19-10:24	12:29-10:34	10:42-10:47	10:01-11:06	11:13-11:18

CALIBRATION ERROR CALCULATIONS**LOW-RANGE DIFFERENCE**

<u>READING</u>	<u>FILTER</u>	<u>DIFF</u>	<u>DIFF^2</u>
17.04	16.64	0.40	0.16
16.93	16.64	0.29	0.08
17.08	16.64	0.44	0.19
17.08	16.64	0.44	0.19
17.08	16.64	0.44	0.19
SUM		2.01	0.82

MEAN ERROR = 0.40

CONFIDENCE INTERVAL = 0.08

CALIBRATION ERROR = 0.48

MID-RANGE DIFFERENCE

<u>READING</u>	<u>FILTER</u>	<u>DIFF</u>	<u>DIFF^2</u>
25.01	24.74	0.27	0.07
25.04	24.74	0.30	0.09
24.99	24.74	0.25	0.06
25.02	24.74	0.28	0.08
25.08	24.74	0.34	0.12
SUM		1.44	0.42

MEAN ERROR = 0.29

CONFIDENCE INTERVAL = 0.04

CALIBRATION ERROR = 0.33

HIGH-RANGE DIFFERENCE

<u>READING</u>	<u>FILTER</u>	<u>DIFF</u>	<u>DIFF^2</u>
45.93	45.73	0.20	0.04
45.96	45.73	0.23	0.05
45.96	45.73	0.23	0.05
45.93	45.73	0.20	0.04
45.98	45.73	0.25	0.06
SUM		1.11	0.25

MEAN ERROR = 0.22

CONFIDENCE INTERVAL = 0.03

CALIBRATION ERROR = 0.25

SIX-MINUTE AVERAGE ERROR

	<u>READING</u>	<u>FILTER</u>	<u>DIFF</u>
LOW	17.11	16.64	0.47
MID	25.17	24.74	0.43
HIGH	46.21	45.73	0.48

**FILER CITY UNIT 2
DATA SUMMARY**

PARAMETER	AUDIT RESULTS	SPECIFICATION
FAULT LAMPS		
CAL FAULT	OFF	OFF
DIRTY WINDOW	OFF	OFF
PURGE AIR	OFF	OFF
STACK POWER	OFF	OFF
LAMP FAILURE	OFF	OFF
ALARM	OFF	OFF
STACK EXIT CORRELATION ERROR	0.00%	+/- 2%
ZERO ERROR	0.04%	+/- 4%
SPAN ERROR	-0.14%	+/- 4%
ALIGNMENT	Centered	CENTERED
OPTICAL DUST ACCUMULATION		
RETROREFLECTOR	2.00%	≤ 2%
TRANSCEIVER	-0.78%	≤ 2%
TOTAL	1.22%	≤ 4%
CALIBRATION ERROR ANALYSIS		
MEAN ERROR		
LOW	0.40	
* MID	0.47	
* MID	0.29	
* MID	0.43	
HIGH	0.22	
* HIGH	0.48	
CONFIDENCE INTERVAL		
LOW	0.08	
MID	0.04	
HIGH	0.03	
CALIBRATION ERROR		
LOW	0.48	≤ 3%
MID	0.33	≤ 3%
HIGH	0.25	≤ 3%

* ERROR BASED ON SIX-MINUTE AVERAGE DATA FROM A SINGLE FILTER INSERTION

Opacity Data Summary Report

Facility Name: T.E.S. Filer City Station
Source: Boiler 1 Opacity %

Location: Filer City, MI

Date/Time	10-Second Opacity Readings (%)						Calculated Average (%)	DAS 1-Min Average		Absolute Value of Difference
	# 1	# 2	# 3	# 4	# 5	# 6		(%)	MC	
08/25/11 08:52:38	0.17	0.16	0.16	0.16	0.16	0.16	0.16	Miss.	18	Miss.
08/25/11 08:53:38	0.16	0.16	0.13	0.16	0.16	0.16	0.16	Miss.	18	Miss.
08/25/11 08:54:38	0.16	0.16	0.16	0.16	0.19	0.19	0.17	Miss.	18	Miss.
08/25/11 08:55:37	0.19	0.19	0.18	0.15	0.18	0.19	0.18	Miss.	18	Miss.
08/25/11 08:56:39	0.19	0.19	0.19	0.19	0.19	0.19	0.19	Miss.	18	Miss.
08/25/11 08:57:38	0.19	0.19	0.19	0.19	0.16	0.19	0.19	Miss.	18	Miss.
08/25/11 08:58:38	0.19	0.19	0.19	0.19	0.19	0.19	0.19	Miss.	18	Miss.
08/25/11 08:59:38	0.19	0.19	0.19	0.19	0.19	0.19	0.19	Miss.	18	Miss.
08/25/11 09:00:35	0.19	0.19	0.19	0.19	0.19	0.19	0.19	Miss.	18	Miss.
08/25/11 09:01:38	0.19	0.19	0.19	0.19	0.19	0.19	0.19	Miss.	18	Miss.
08/25/11 09:02:38	0.19	0.19	0.19	0.19	0.19	0.19	0.19	Miss.	18	Miss.
08/25/11 09:03:38	0.19	0.19	0.19	0.19	0.22	0.23	0.20	Miss.	18	Miss.
08/25/11 09:04:37	0.19	0.19	0.23	0.19	0.19	0.19	0.20	Miss.	18	Miss.
08/25/11 09:05:39	0.19	0.19	0.19	0.19	0.19	0.19	0.19	Miss.	18	Miss.
08/25/11 09:06:35	0.19	0.19	0.19	0.23	0.22	0.19	0.20	Miss.	18	Miss.
08/25/11 09:07:38	0.23	0.23	0.19	0.22	0.19	0.19	0.21	Miss.	18	Miss.
08/25/11 09:08:38	0.21	0.23	0.22	7.53	17.04	17.04	7.05	Miss.	18	Miss.
08/25/11 09:09:38	17.04	17.04	17.04	17.03	17.03	17.03	17.04	Miss.	18	Miss.
08/25/11 09:10:38	17.03	17.04	17.04	17.04	17.04	17.04	17.04	Miss.	18	Miss.
08/25/11 09:11:38	17.04	17.04	17.04	17.04	17.04	17.04	17.04	Miss.	18	Miss.
08/25/11 09:12:38	17.04	17.04	17.04	17.03	17.06	17.06	17.05	Miss.	18	Miss.
08/25/11 09:13:37	17.04	17.04	17.04	17.08	17.04	17.04	17.05	Miss.	18	Miss.
08/25/11 09:14:39	17.08	17.04	17.08	17.04	17.04	17.04	17.05	Miss.	18	Miss.
08/25/11 09:15:39	17.04	17.04	17.08	17.04	17.08	17.04	17.05	Miss.	18	Miss.
08/25/11 09:16:39	17.04	17.08	17.08	17.04	17.04	17.08	17.06	Miss.	18	Miss.
08/25/11 09:17:38	17.04	17.05	17.05	17.05	17.03	17.04	17.04	Miss.	18	Miss.
08/25/11 09:18:35	17.04	17.04	17.04	17.02	17.03	17.03	17.03	Miss.	18	Miss.
08/25/11 09:19:38	17.04	17.03	17.04	17.04	17.04	17.04	17.04	Miss.	18	Miss.
08/25/11 09:20:38	17.06	17.03	17.04	17.03	17.04	17.04	17.04	Miss.	18	Miss.
08/25/11 09:21:38	17.03	17.04	17.04	17.04	17.06	16.22	16.91	Miss.	18	Miss.
08/25/11 09:22:34	23.33	25.17	25.18	25.18	25.14	25.17	24.86	Miss.	18	Miss.
08/25/11 09:23:38	25.18	25.18	25.18	25.18	25.18	25.13	25.17	Miss.	18	Miss.
08/25/11 09:24:39	25.18	25.18	25.18	25.15	25.14	25.14	25.16	Miss.	18	Miss.
08/25/11 09:25:35	25.14	25.14	25.15	25.15	25.15	25.15	25.15	Miss.	18	Miss.
08/25/11 09:26:39	25.14	25.13	25.15	25.18	25.15	25.16	25.15	Miss.	18	Miss.
08/25/11 09:27:38	25.15	25.19	25.18	25.19	25.19	25.15	25.18	Miss.	18	Miss.
08/25/11 09:28:35	25.19	25.18	25.15	25.19	25.18	25.16	25.18	Miss.	18	Miss.
08/25/11 09:29:39	25.14	25.17	25.16	25.15	25.16	25.16	25.16	Miss.	18	Miss.
08/25/11 09:30:35	25.15	25.16	25.18	25.22	25.16	25.15	25.17	Miss.	18	Miss.
08/25/11 09:31:39	25.15	25.14	25.15	25.16	25.16	25.15	25.15	Miss.	18	Miss.
08/25/11 09:32:39	25.16	25.16	25.16	25.16	25.19	25.16	25.17	Miss.	18	Miss.
08/25/11 09:33:38	25.19	25.19	25.19	25.16	25.19	25.19	25.19	Miss.	18	Miss.
08/25/11 09:34:35	25.16	25.15	25.17	37.08	46.38	46.35	34.22	Miss.	18	Miss.
08/25/11 09:35:35	46.35	46.38	46.35	46.34	46.38	46.34	46.36	Miss.	18	Miss.
08/25/11 09:36:39	46.34	46.35	46.33	46.34	46.34	46.35	46.34	Miss.	18	Miss.
08/25/11 09:37:39	46.35	46.36	46.35	46.39	46.38	46.36	46.37	Miss.	18	Miss.

MC - Monitoring Codes:

- | | | |
|--------------------------------------|---------------------------------------|-----------------------------------|
| 00 - System OK; Data is Valid | 14 - Recalibration | 19 - Sample Interface Malfunction |
| 10 - Heavy Rains | 15 - Preventive Maintenance | 20 - Corrective Maintenance |
| 11 - Excess Drift Primary Analyzer | 16 - Primary Analyzer Malfunction | 21 - Analyzer in Audit mode |
| 12 - Excess Drift Ancillary Analyzer | 17 - Ancillary Analyzer Malfunction | 98 - Automatic Calibration |
| 13 - Process Down | 18 - Data Handling System Malfunction | 99 - Software Adjust |

Date/Time	10-Second Opacity Readings (%)						Calculated Average (%)	DAS 1-Min Average		Absolute Value of Difference	
	# 1	# 2	# 3	# 4	# 5	# 6		(%)	MC		
High	08/25/11 09:38:39	46.36	46.35	46.38	46.38	46.38	46.39	46.37	Miss.	18	Miss.
	08/25/11 09:39:36	46.38	46.38	46.36	46.38	46.38	46.35	46.37	Miss.	18	Miss.
	08/25/11 09:40:39	46.36	46.39	46.39	46.39	46.36	46.39	46.38	Miss.	18	Miss.
	08/25/11 09:41:39	46.39	46.39	46.36	46.38	46.34	46.39	46.38	Miss.	18	Miss.
	08/25/11 09:42:39	46.36	46.36	46.36	46.36	46.36	46.36	46.36	Miss.	18	Miss.
	08/25/11 09:43:38	46.36	46.36	46.36	46.36	46.35	46.36	46.36	Miss.	18	Miss.
08/25/11 09:44:39	46.36	46.36	46.36	46.39	46.36	46.36	46.37	Miss.	18	Miss.	
08/25/11 09:45:36	46.36	46.36	46.36	46.39	46.36	46.36	46.37	Miss.	18	Miss.	
08/25/11 09:46:35	46.36	46.36	46.35	46.36	46.34	46.34	46.35	Miss.	18	Miss.	
08/25/11 09:47:35	46.36	46.39	46.39	46.39	46.38	46.39	46.38	Miss.	18	Miss.	
08/25/11 09:48:39	46.39	46.39	46.37	46.36	46.36	46.34	46.37	Miss.	18	Miss.	
08/25/11 09:49:36	0.23	0.22	0.22	0.22	0.21	0.21	0.22	Miss.	18	Miss.	
08/25/11 09:50:35	0.21	0.21	0.21	0.21	0.21	0.21	0.21	Miss.	18	Miss.	
08/25/11 09:51:39	0.21	0.21	0.21	0.18	0.21	0.21	0.21	Miss.	18	Miss.	
08/25/11 09:52:40	0.21	0.20	0.21	0.21	0.21	0.21	0.21	Miss.	18	Miss.	
08/25/11 09:53:41	0.21	0.21	0.21	0.21	0.21	0.21	0.21	Miss.	18	Miss.	
08/25/11 09:54:40	0.21	0.21	0.21	0.21	0.21	0.21	0.21	Miss.	18	Miss.	
08/25/11 09:55:40	0.21	0.21	0.21	0.21	0.21	0.21	0.21	Miss.	18	Miss.	
08/25/11 09:56:40	0.21	0.21	0.21	0.21	0.21	0.21	0.21	Miss.	18	Miss.	
08/25/11 09:57:43	0.21	0.21	0.21	0.21	0.22	0.22	0.21	Miss.	18	Miss.	
08/25/11 09:58:40	0.21	0.21	0.21	0.21	0.21	0.19	0.21	Miss.	18	Miss.	
08/25/11 09:59:40	0.21	0.21	0.21	0.21	0.21	0.21	0.21	Miss.	18	Miss.	
08/25/11 10:00:43	0.18	0.21	0.18	0.22	0.15	0.22	0.19	Miss.	18	Miss.	
08/25/11 10:01:44	0.21	0.21	0.22	0.22	0.22	0.22	0.22	Miss.	18	Miss.	

MC - Monitoring Codes:

00 - System OK; Data is Valid
 10 - Heavy Rains
 11 - Excess Drift Primary Analyzer
 12 - Excess Drift Ancillary Analyzer
 13 - Process Down

14 - Recalibration
 15 - Preventive Maintenance
 16 - Primary Analyzer Malfunction
 17 - Ancillary Analyzer Malfunction
 18 - Data Handling System Malfunction

19 - Sample Interface Malfunction
 20 - Corrective Maintenance
 21 - Analyzer in Audit mode
 98 - Automatic Calibration
 99 - Software Adjust

Opacity Data Summary Report

Facility Name: T.E.S. Filer City Station
Source: Boiler 2 Opacity %

Location: Filer City, MI

Date/Time	10-Second Opacity Readings (%)						Calculated Average (%)	DAS 1-Min Average		Absolute Value of Difference
	# 1	# 2	# 3	# 4	# 5	# 6		(%)	MC	
08/25/11 10:13:42	22.32	42.97	45.99	45.98	45.98	45.99	41.54	Miss.	18	Miss.
08/25/11 10:14:42	8.68	0.05	0.04	0.05	0.04	0.04	1.48	Miss.	18	Miss.
08/25/11 10:15:39	0.08	0.04	0.05	0.08	0.04	0.04	0.06	Miss.	18	Miss.
08/25/11 10:16:42	0.11	0.11	0.11	0.11	0.14	0.14	0.12	Miss.	18	Miss.
08/25/11 10:17:41	0.14	0.14	0.14	0.11	0.11	0.14	0.13	Miss.	18	Miss.
08/25/11 10:18:42	0.11	0.07	0.07	0.10	0.11	0.11	0.10	Miss.	18	Miss.
08/25/11 10:19:41	0.11	0.11	0.11	0.11	0.11	0.14	0.12	Miss.	18	Miss.
08/25/11 10:20:42	0.14	0.13	0.11	0.13	0.11	0.14	0.13	Miss.	18	Miss.
08/25/11 10:21:41	0.14	0.14	0.13	0.13	0.14	0.14	0.14	Miss.	18	Miss.
08/25/11 10:22:41	0.13	0.14	0.14	0.14	0.13	0.14	0.14	Miss.	18	Miss.
08/25/11 10:23:41	0.13	0.13	0.14	0.14	0.14	0.14	0.14	Miss.	18	Miss.
08/25/11 10:24:41	0.10	0.11	0.11	0.11	0.11	0.11	0.11	Miss.	18	Miss.
08/25/11 10:25:42	0.14	0.14	0.11	0.11	0.14	0.14	0.13	Miss.	18	Miss.
08/25/11 10:26:43	0.11	0.11	0.14	0.13	0.10	0.13	0.12	Miss.	18	Miss.
08/25/11 10:27:41	0.14	10.21	17.11	17.11	17.11	17.11	13.13	Miss.	18	Miss.
08/25/11 10:28:42	17.11	17.11	17.11	17.11	17.11	17.12	17.11	Miss.	18	Miss.
08/25/11 10:29:41	17.11	17.08	17.11	17.11	17.11	17.11	17.11	Miss.	18	Miss.
08/25/11 10:30:42	17.11	17.11	17.11	17.11	17.11	17.11	17.11	Miss.	18	Miss.
08/25/11 10:31:42	17.12	17.11	17.11	17.11	17.12	17.11	17.11	Miss.	18	Miss.
08/25/11 10:32:42	17.08	17.07	17.08	17.12	17.12	17.11	17.10	Miss.	18	Miss.
08/25/11 10:33:41	17.08	17.11	17.08	17.08	17.11	17.11	17.10	Miss.	18	Miss.
08/25/11 10:34:42	17.12	17.11	17.12	17.11	17.11	17.09	17.11	Miss.	18	Miss.
08/25/11 10:35:41	17.11	17.12	17.11	17.11	17.12	17.11	17.11	Miss.	18	Miss.
08/25/11 10:36:41	17.11	17.14	17.15	17.15	17.11	17.15	17.14	Miss.	18	Miss.
08/25/11 10:37:43	17.11	17.15	17.14	17.11	17.11	17.11	17.12	Miss.	18	Miss.
08/25/11 10:38:43	17.14	17.15	17.14	17.14	17.15	17.14	17.14	Miss.	18	Miss.
08/25/11 10:39:42	17.14	17.11	17.14	17.12	17.14	17.15	17.13	Miss.	18	Miss.
08/25/11 10:40:43	17.14	17.14	17.15	17.14	17.15	18.73	17.41	Miss.	18	Miss.
08/25/11 10:41:42	25.16	25.15	25.15	25.13	25.14	25.16	25.15	Miss.	18	Miss.
08/25/11 10:42:42	25.16	25.15	25.14	25.14	25.14	25.16	25.15	Miss.	18	Miss.
08/25/11 10:43:41	25.14	25.16	25.16	25.14	25.15	25.14	25.15	Miss.	18	Miss.
08/25/11 10:44:43	25.15	25.16	25.18	25.16	25.15	25.18	25.16	Miss.	18	Miss.
08/25/11 10:45:42	25.15	25.15	25.18	25.19	25.19	25.21	25.18	Miss.	18	Miss.
08/25/11 10:46:42	25.21	25.21	25.24	25.21	25.19	25.21	25.21	Miss.	18	Miss.
08/25/11 10:47:41	25.18	25.18	25.18	25.21	25.18	25.18	25.19	Miss.	18	Miss.
08/25/11 10:48:43	25.18	25.18	25.19	25.18	25.18	25.18	25.18	Miss.	18	Miss.
08/25/11 10:49:41	25.18	25.19	25.18	25.18	25.19	25.21	25.19	Miss.	18	Miss.
08/25/11 10:50:42	25.22	25.21	25.21	25.22	25.22	25.22	25.22	Miss.	18	Miss.
08/25/11 10:51:42	25.22	25.22	25.22	25.22	25.19	25.21	25.21	Miss.	18	Miss.
08/25/11 10:52:43	25.21	25.22	25.21	25.20	25.21	25.21	25.21	Miss.	18	Miss.
08/25/11 10:53:42	31.53	46.06	46.06	46.07	46.06	46.07	43.64	Miss.	18	Miss.
08/25/11 10:54:42	46.06	46.07	46.10	46.09	46.13	46.09	46.09	Miss.	18	Miss.
08/25/11 10:55:39	46.09	46.13	46.09	46.11	46.09	46.09	46.10	Miss.	18	Miss.
08/25/11 10:56:42	46.11	46.09	46.16	46.14	46.13	46.14	46.13	Miss.	18	Miss.
08/25/11 10:57:42	46.16	46.16	46.14	46.19	46.17	46.16	46.16	Miss.	18	Miss.
08/25/11 10:58:42	46.17	46.17	46.19	46.20	46.19	46.19	46.19	Miss.	18	Miss.

MC - Monitoring Codes:

00 - System OK; Data is Valid	14 - Recalibration	19 - Sample Interface Malfunction
10 - Heavy Rains	15 - Preventive Maintenance	20 - Corrective Maintenance
11 - Excess Drift Primary Analyzer	16 - Primary Analyzer Malfunction	21 - Analyzer in Audit mode
12 - Excess Drift Ancillary Analyzer	17 - Ancillary Analyzer Malfunction	98 - Automatic Calibration
13 - Process Down	18 - Data Handling System Malfunction	99 - Software Adjust

Date/Time	10-Second Opacity Readings (%)						Calculated Average (%)	DAS 1-Min Average		Absolute Value of Difference
	# 1	# 2	# 3	# 4	# 5	# 6		(%)	MC	
08/25/11 10:59:46	46.20	46.19	46.17	46.19	46.21	46.23	46.20	Miss.	18	Miss.
08/25/11 11:00:42	46.24	46.23	46.22	46.19	46.20	46.19	46.21	Miss.	18	Miss.
08/25/11 11:01:39	46.21	46.19	46.23	46.23	46.22	46.23	46.22	Miss.	18	Miss.
08/25/11 11:02:42	46.21	46.21	46.19	46.19	46.19	46.21	46.20	Miss.	18	Miss.
08/25/11 11:03:38	46.18	46.21	46.19	46.16	46.17	46.19	46.18	Miss.	18	Miss.
08/25/11 11:04:41	46.20	46.19	46.19	46.21	46.19	46.20	46.20	Miss.	18	Miss.
08/25/11 11:05:42	46.21	46.20	46.23	46.23	46.20	46.23	46.22	Miss.	18	Miss.
08/25/11 11:06:42	46.20	46.20	46.21	46.18	18.08	0.21	33.85	Miss.	18	Miss.
08/25/11 11:07:41	0.21	0.21	0.21	0.20	0.20	0.21	0.21	Miss.	18	Miss.
08/25/11 11:08:42	0.21	0.21	0.21	0.20	0.21	0.20	0.21	Miss.	18	Miss.
08/25/11 11:09:39	0.20	0.21	0.20	0.20	0.20	0.21	0.20	Miss.	18	Miss.
08/25/11 11:10:42	0.21	0.21	0.21	0.20	0.21	0.20	0.21	Miss.	18	Miss.
08/25/11 11:11:38	0.19	0.20	0.20	0.21	0.21	0.20	0.20	Miss.	18	Miss.
08/25/11 11:12:43	0.24	0.23	0.23	0.23	0.21	0.23	0.23	Miss.	18	Miss.
08/25/11 11:13:42	0.23	0.23	0.23	0.23	0.21	0.23	0.23	Miss.	18	Miss.
08/25/11 11:14:42	0.24	0.23	0.23	0.23	0.23	0.21	0.22	Miss.	18	Miss.
08/25/11 11:15:39	0.23	0.23	0.23	0.21	0.23	0.21	0.24	Miss.	18	Miss.
08/25/11 11:16:42	0.23	0.23	0.26	0.23	0.24	0.26	0.24	Miss.	18	Miss.
08/25/11 11:17:39	0.23	0.23	0.23	0.23	0.23	0.23	0.23	Miss.	18	Miss.
08/25/11 11:18:42	0.23	0.23	0.23	0.23	0.23	0.24	0.23	Miss.	18	Miss.
08/25/11 11:19:38	0.23	1.92	5.17	5.73	5.66	5.61	4.05	Miss.	18	Miss.

MC - Monitoring Codes:

00 - System OK; Data is Valid	14 - Recalibration	19 - Sample Interface Malfunction
10 - Heavy Rains	15 - Preventive Maintenance	20 - Corrective Maintenance
11 - Excess Drift Primary Analyzer	16 - Primary Analyzer Malfunction	21 - Analyzer in Audit mode
12 - Excess Drift Ancillary Analyzer	17 - Ancillary Analyzer Malfunction	98 - Automatic Calibration
13 - Process Down	18 - Data Handling System Malfunction	99 - Software Adjust



OPACITY CERTIFICATION SERVICES, LLC
A Proud Veteran-Owned Business
8600 Harbor Drive Raleigh, NC 27615-4527 USA

Phone: 919-846-6040
Cell: 919-215-9384
Fax: 919-846-6041
E-mail: asiffer@opacitycert.com
Web: www.opacitycert.com

Results of NIST-Traceable Opacity Filter Certification

Source:	T.E.S. Filer City Station LP		
Unit/Boiler ID:	Not available	Stack-Correction Factor? N	PLCF = 1.000

Date of Certification	Certification Report Number	Date of Expiration*
June 9, 2011	060911-02	June 8, 2012

** If the below filters are used for an initial monitor certification test (PS-1 testing), they must be certified within 6 months of the PS-1 test.*

Specific Opacity Monitor:	Durag D-R290 series	
Angle of Incidence:	10 degrees (to match field conditions)	
Opacity Monitor Light Source:	L.E.D.	
L.E.D. Peak Spectral Response Point:	Multi-point	
■ Monochromatic Light Source with approximately 90% of energy at or near this value.		
Maximum Accuracy:	± 0.5 Absolute Opacity	
Laboratory Temperature:	72° Fahrenheit (± 3°)	22° Celsius (± 1°)

Filter Data	Low Filter	Mid Filter	High Filter
Serial Number:	VN49	VN50	VN51
New Opacity	16.6%	24.7%	45.7%
New Transmittance:	83.4%	75.3%	54.3%
New Optical Density:	0.0790	0.1232	0.2651
Previous Opacity	16.6%	24.7%	45.7%
Change in Opacity:	0.0	0.0	0.0

An electronic copy of this document is available, in PDF format. To request a copy, please e-mail asiffer@opacitycert.com and we will send your copy as soon as possible.

Signature of Calibration Technician



OPACITY CERTIFICATION SERVICES, LLC
A Proud Veteran-Owned Business
8600 Harbor Drive Raleigh, NC 27615-4527 USA

Phone: 919-846-6040
Cell: 919-215-9384
Fax: 919-846-6041
E-mail: asiffer@opacitycert.com
Web: www.opacitycert.com

Report of Results from Neutral Density Opacity Filter Certification

Regulations Pertaining to Opacity Filter Certification

The certification of opacity audit attenuators (otherwise known as “filters”) must be performed per the specifications put forth in Section 6.3 of the United States Environmental Protection Agency (US EPA) rule 40 CFR, Part 60, Appendix B, Performance Specification 1. All results reported by Opacity Certification Services, LLC (OCS) have been performed in accordance with this rule, and all results are traceable to the National Institute of Standards and Technology (NIST).

How your Opacity Filters are Certified

OCS utilizes a laboratory-based spectrophotometer to produce opacity data for your filters. Once the spectrophotometer has been deemed accurate per PS-1, filter certifications commence.

Individual opacity filters are placed into the spectrophotometer sample chamber at the proper angle of incidence appropriate for the designated opacity monitor, and scanned from 780 – 380nm, rotated 90 degrees in the plane of the glass surface, then scanned again. Once the second scan has been completed, an average transmittance is determined at every 10nm between 780-380nm.

At this point, the method for assigning the opacity value is by use of the “Source C Human Eye Response” protocol, which assigns weighting factors for all transmittance values, sums the values, and divides by 100,000 to give the overall transmittance value for the filter.

At OCS, when we certify filters for monochromatic light-sourced monitors, we include both the monochromatic data as well as the Source C Human Eye Response data.

Certification Measurement Parameters: meeting the requirements set forth in section 6.3 of 40 CFR Part 60, Appendix B, Performance Specification 1.

Instrument:

Spectrophotometer: Varian-Cary 50 Conc		Serial Number: EL0602-3153	
Scanning Range: 380-780nm	Data Interval: 10nm		Spectral Bandpass: 1.5nm

Reference Material:

Reference Material Type:	NIST 930D/E series SRM
Reference Material Serial Numbers:	Blank; 430-248; 420-248; 410-248
SRM Date of Certification:	May 4, 2011
SRM Date of Expiration:	May 3, 2013

Filter Certification Results for : T.E.S. Filer City Station LP

Filter Serial No : VN49

Date of Scan : 6/9/2011

Expiration Date : 6/8/2012

Monitor : Durag D-R290 series

Angle of Incidence : 10 deg

Opacity Value = 16.6%

Transmittance = 83.4%

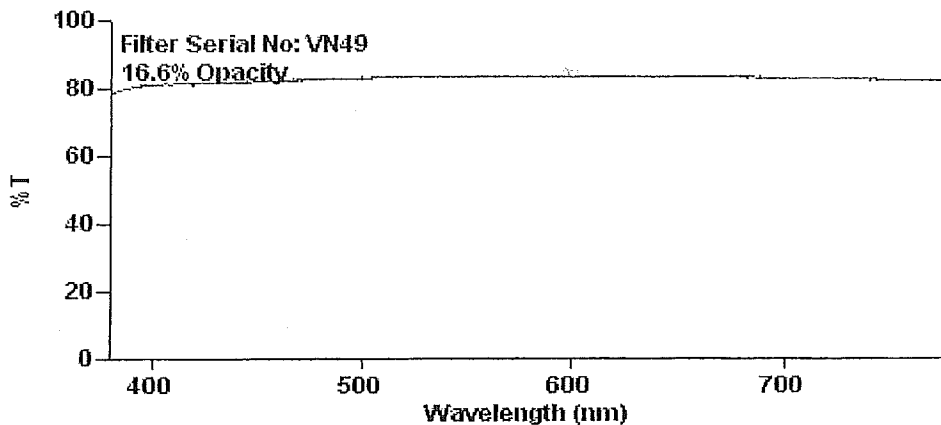
Optical density = 0.0790

Table 1-1: Opacity filter Scan Data at 10 nm Intervals

Lambda	Scan 1	Scan 2	Average	% Trans	Lambda	Scan 1	Scan 2	Average	% Trans
780	82.1	82.1	82.1	0.0	570	83.5	83.5	83.5	763806.
770	82.2	82.1	82.2	0.0	560	83.5	83.5	83.5	821558.
760	82.3	82.3	82.3	82.3	550	83.4	83.4	83.4	820040.
750	82.4	82.4	82.4	82.4	540	83.4	83.5	83.4	767207.
740	82.5	82.5	82.5	165.0	530	83.3	83.3	83.3	660752.
730	82.6	82.7	82.7	248.0	520	83.2	83.2	83.2	537724.
720	82.7	82.7	82.7	496.2	510	83.1	83.1	83.1	401789.
710	82.8	82.8	82.8	1159.4	500	83.0	83.0	83.0	282286.
700	82.9	82.9	82.9	2404.1	490	82.8	82.8	82.8	195307.
690	83.0	83.0	83.0	5147.7	480	82.7	82.7	82.7	133785.
680	83.1	83.1	83.1	11137.1	470	82.5	82.5	82.5	87306.8
670	83.1	83.1	83.1	21530.3	460	82.3	82.3	82.3	57104.2
660	83.1	83.2	83.2	41909.7	450	82.1	82.1	82.1	36380.9
650	83.3	83.2	83.2	73757.4	440	81.8	81.8	81.8	21437.8
640	83.3	83.3	83.3	120208.	430	81.6	81.7	81.6	9960.5
630	83.4	83.4	83.4	182571.	420	81.5	81.5	81.5	3015.1
620	83.4	83.4	83.4	262970.	410	81.4	81.4	81.4	732.7
610	83.4	83.5	83.4	348425.	400	81.1	81.1	81.1	162.2
600	83.5	83.5	83.5	443650.	390	80.4	80.4	80.4	0.0
590	83.5	83.5	83.5	553059.	380	78.9	78.9	78.9	0.0
580	83.5	83.5	83.5	667565.		0.0	0.0	0.0	0.0

Table 1-2 : Opacity Filter Data for Monochromatic Light Source-based Monitors(if applicable)
Monochromatic Wavelength Opacity Value Transmittance Value Optical Density Value

n/a



Filter Certification Results for : T.E.S. Filer City Station LP

Filter Serial No : VN50

Date of Scan : 6/9/2011

Expiration Date : 6/8/2012

Monitor : Durag D-R290 series

Angle of Incidence : 10 deg

Opacity Value = 24.7%

Transmittance = 75.3%

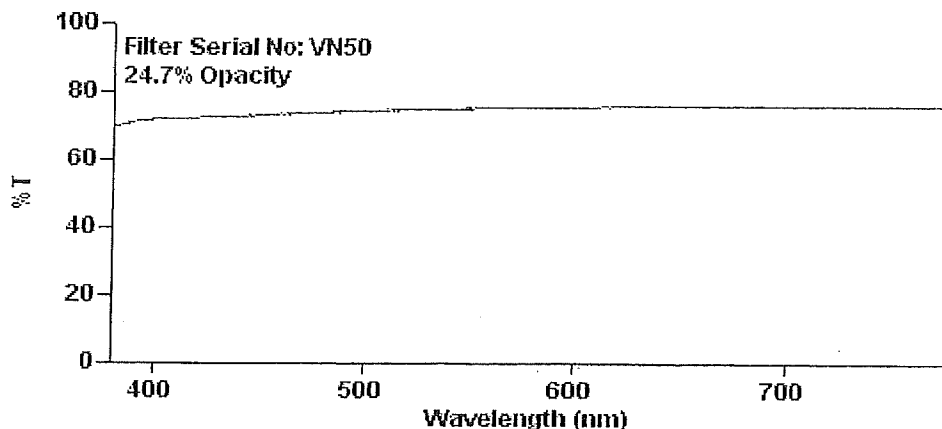
Optical density = 0.1232

Table 1-1: Opacity filter Scan Data at 10 nm Intervals

Lambda	Scan 1	Scan 2	Average	% Trans	Lambda	Scan 1	Scan 2	Average	% Trans
780	76.0	76.0	76.0	0.0	570	75.6	75.5	75.5	691041.
770	76.0	75.9	76.0	0.0	560	75.4	75.4	75.4	742381.
760	76.0	76.1	76.1	76.1	550	75.3	75.3	75.3	740147.
750	76.1	76.1	76.1	76.1	540	75.2	75.2	75.2	691433.
740	76.1	76.1	76.1	152.2	530	75.0	75.0	75.0	594927.
730	76.1	76.1	76.1	228.4	520	74.8	74.8	74.8	483616.
720	76.1	76.1	76.1	456.4	510	74.7	74.7	74.7	361075.
710	76.1	76.1	76.1	1065.5	500	74.5	74.5	74.5	253323.
700	76.0	76.1	76.1	2206.6	490	74.2	74.2	74.2	175039.
690	76.1	76.2	76.1	4719.6	480	74.1	74.1	74.1	119843.
680	76.1	76.1	76.1	10199.4	470	73.8	73.8	73.8	78089.4
670	76.0	76.1	76.1	19702.3	460	73.5	73.5	73.5	51006.7
660	76.0	76.0	76.0	38309.4	450	73.3	73.3	73.3	32483.7
650	76.0	76.0	76.0	67349.4	440	72.9	73.0	72.9	19109.0
640	75.9	75.9	75.9	109580.	430	72.7	72.8	72.7	8874.3
630	75.9	75.9	75.9	166300.	420	72.5	72.5	72.5	2682.4
620	75.9	75.9	75.9	239217.	410	72.4	72.4	72.4	651.3
610	75.8	75.8	75.8	316527.	400	72.0	72.0	72.0	144.0
600	75.7	75.7	75.7	402588.	390	71.2	71.2	71.2	0.0
590	75.6	75.6	75.6	501251.	380	69.7	69.8	69.7	0.0
580	75.6	75.7	75.7	604669.		0.0	0.0	0.0	0.0

Table 1-2 : Opacity Filter Data for Monochromatic Light Source-based Monitors(if applicable)
Monochromatic Wavelength Opacity Value Transmittance Value Optical Density Value

n/a



Filter Certification Results for : T.E.S. Filer City Station LP

Filter Serial No : **VN51**

Date of Scan : 6/9/2011

Expiration Date : 6/8/2012

Monitor : Durag D-R290 series

Angle of Incidence : 10 deg

Opacity Value = 45.7%

Transmittance = 54.3%

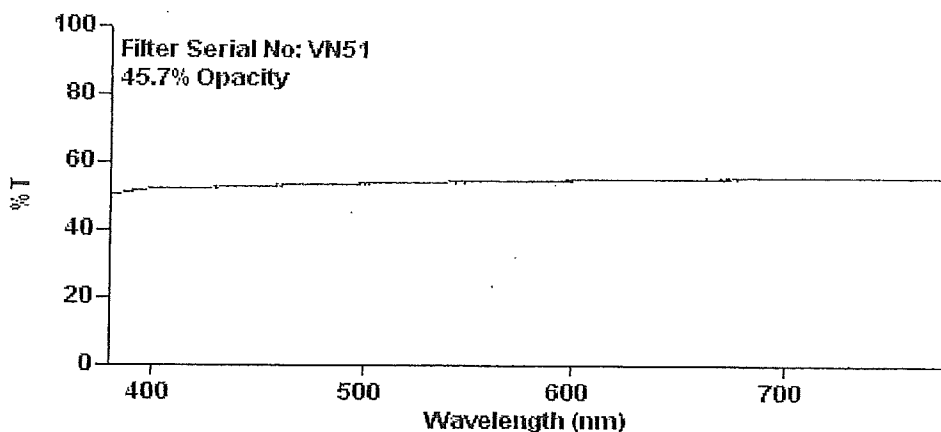
Optical density = 0.2651

Table 1-1: Opacity filter Scan Data at 10 nm Intervals

Lambda	Scan 1	Scan 2	Average	% Trans	Lambda	Scan 1	Scan 2	Average	% Trans
780	55.8	55.8	55.8	0.0	570	54.5	54.5	54.5	498320.
770	55.7	55.7	55.7	0.0	560	54.4	54.4	54.4	535219.
760	55.7	55.7	55.7	55.7	550	54.2	54.2	54.2	533175.
750	55.6	55.6	55.6	55.6	540	54.2	54.2	54.2	498390.
740	55.6	55.6	55.6	111.2	530	54.0	54.0	54.0	428288.
730	55.6	55.6	55.6	166.8	520	53.9	53.9	53.9	348187.
720	55.5	55.5	55.5	333.0	510	53.8	53.8	53.8	260010.
710	55.5	55.5	55.5	776.7	500	53.6	53.6	53.6	182344.
700	55.4	55.4	55.4	1607.5	490	53.4	53.5	53.4	126012.
690	55.4	55.4	55.4	3434.2	480	53.4	53.4	53.4	86357.6
680	55.3	55.3	55.3	7414.9	470	53.2	53.2	53.2	56311.2
670	55.3	55.3	55.3	14314.0	460	53.0	53.0	53.0	36800.1
660	55.2	55.2	55.2	27804.5	450	52.9	52.9	52.9	23436.7
650	55.1	55.1	55.1	48848.3	440	52.6	52.6	52.6	13786.9
640	55.0	55.0	55.0	79411.0	430	52.5	52.5	52.5	6403.1
630	55.0	55.0	55.0	120422.	420	52.4	52.4	52.4	1938.0
620	54.9	54.9	54.9	173034.	410	52.3	52.2	52.3	470.5
610	54.8	54.8	54.8	228905.	400	52.0	52.0	52.0	104.0
600	54.7	54.7	54.7	290923.	390	51.4	51.4	51.4	0.0
590	54.6	54.6	54.6	361943.	380	50.3	50.3	50.3	0.0
580	54.6	54.6	54.6	436175.		0.0	0.0	0.0	0.0

Table 1-2 : Opacity Filter Data for Monochromatic Light Source-based Monitors(if applicable)
Monochromatic Wavelength Opacity Value Transmittance Value Optical Density Value

n/a



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Karen Kajiya-Mills
MDEQ- Air Quality Division
525 W. Allegan
(Constitution Hall, 4th Floor, North)
PO Box 30242
Lansing, MI 48909-7742

2. Article Number

(Transfer from service label)

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-154

7010 0290 0003 0816 0618

IMP 10-28-11

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Shane Nixon
Michigan Dept. of Environmental Quality
Air Quality Division
120 W. Chapin Street
Cadillac, MI 49601-2158

2. Article Number

(Transfer from service label)

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-15

7010 0290 0003 0816 0625

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

OCT 31 2011
POST OFFICE BOX 80026
LANSING, MICHIGAN 48906

3. Service Type

☐ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X Tammy L. Peterman

☒ Agent☐ Addressee

B. Received by (Printed Name)

Tammy L. Peterman

C. Date of Delivery

10-31-11

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

January 30, 2012

Mr. Shane Nixon
Michigan Department of Environmental Quality
Air Quality Division
120 W. Chapin Street
Cadillac, MI 49601-2158

SUBJECT: FOURTH QUARTER 2011 EMISSIONS MONITORING REPORT

Dear Mr. Nixon:

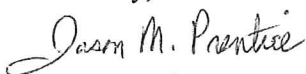
Enclosed is the Fourth Quarter 2011 emissions monitoring report for Boilers No. 1 and No. 2 at the T.E.S. Filer City Station (Renewable Operating Permit No. ROP MI-ROP-N1685-2008a). The report includes all information required under Federal Standards of Performance for New Stationary Sources (40 CFR 60, Subparts A, Da, and Appendix F).

This quarterly report contains the Excess Emissions Reports (EERs) and Summary Reports for Boilers No. 1 and No. 2. The report also includes the results of linearity tests conducted in accordance with 40 CFR Part 75, Appendices A and B (all outlet CEMS other than CO), and cylinder gas audits (CGAs) conducted in accordance with 40 CFR Part 60, Appendix F (inlet CEMS and outlet CO CEMS). The associated Certificates of Analysis for the calibration gases used in the linearity tests and CGAs are also included within this quarterly report.

Lastly, in accordance with Section 4.7.2 of the currently approved C/D Waste Wood Monitoring Plan, this quarterly report contains a summary of the sampling and inspection activities associated with any C/D materials fired in Boilers No. 1 and No. 2. As indicated in the attached C/D waste wood summary sheets, no C/D materials were fired in Boilers No. 1 and No. 2 during the 2011 calendar year.

Please contact me at (517) 788-1467 or Mr. Richard Brown of TES Filer City Station at (231) 723-6573, Extension 103, if you have any questions or require further information concerning the contents of this quarterly report.

Sincerely,



Jason Prentice
Environmental Planner
Consumers Energy Company

cc: Richard Brown, TES Filer City Station
Karen Kajiya-Mills, MDEQ-AQD
Filer City Compliance File-Q, SA, A File



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

**RENEWABLE OPERATING PERMIT
REPORT CERTIFICATION**

Authorized by 1994 P.A. 451, as amended. Failure to provide this information may result in civil and/or criminal penalties.

Reports submitted pursuant to R 336.1213 (Rule 213), subrules (3)(c) and/or (4)(c), of Michigan's Renewable Operating Permit (ROP) program must be certified by a responsible official. Additional information regarding the reports and documentation listed below must be kept on file for at least 5 years, as specified in Rule 213(3)(b)(ii), and be made available to the Department of Environmental Quality, Air Quality Division upon request.

Source Name T.E.S. Filer City Station County Manistee

Source Address P.O. Box 12 / 700 Mee Street City Filer City

AQD Source ID (SRN) N1685 ROP No. MI-ROP-N1685-2008a ROP Section No. N/A

Please check the appropriate box(es):

☐ **Annual Compliance Certification (Pursuant to Rule 213(4)(c))**

Reporting period (provide inclusive dates): From _____ To _____

- ☐ 1. During the entire reporting period, this source was in compliance with ALL terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference. The method(s) used to determine compliance is/are the method(s) specified in the ROP.
- ☐ 2. During the entire reporting period this source was in compliance with all terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference, EXCEPT for the deviations identified on the enclosed deviation report(s). The method used to determine compliance for each term and condition is the method specified in the ROP, unless otherwise indicated and described on the enclosed deviation report(s).

☐ **Semi-Annual (or More Frequent) Report Certification (Pursuant to Rule 213(3)(c))**

Reporting period (provide inclusive dates): From _____ To _____

- ☐ 1. During the entire reporting period, ALL monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred.
- ☐ 2. During the entire reporting period, all monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred, EXCEPT for the deviations identified on the enclosed deviation report(s).

☒ **Other Report Certification**

Reporting period (provide inclusive dates): From 10/01/2011 To 12/31/2011

Additional monitoring reports or other applicable documents required by the ROP are attached as described:

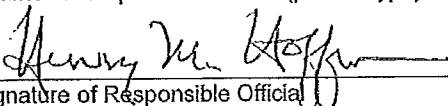
Boilers 1 and 2 Quarterly Report for the 4th Quarter of 2011 (October – December).

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this report and the supporting enclosures are true, accurate and complete

Henry M. Hoffman
Name of Responsible Official (print or type)

General Manager
Title

231-723-6573
Phone Number


Signature of Responsible Official

1-27-12
Date

T.E.S. FILER CITY STATION

CONTINUOUS EMISSION MONITORING QUARTERLY REPORT

**SUBPART Da
(NSPS SOURCES)**

Year 2011

Report Period Ending: March 31 ____ June 30 ____ Sept. 30 ____ Dec. 31 X

I. GENERAL INFORMATION

1. Source: T.E.S. FILER CITY STATION

2. Address: 700 MEE STREET
FILER CITY, MICHIGAN 49634

3. Plant Phone Number: (231) 723-6573

4. Affected Facility: BOILER #1 X BOILER #2 X

5. Control Device(s): GEESI/DRY FLUE GAS DESULFERIZATION SYSTEM
GEESI/FABRIC FILTER BAGHOUSES

6. Fuel Type: Coal/Wood/TDF/Petroleum Coke/Construction & Demolition (C/D) Waste
(NOTE: Although allowed by permit, C/D wastes were not fired during the quarter)

7. Person Completing Report

(Print) Jason M. Prentice

(Signature) Jason M. Prentice

(Date) 1-30-12

This is to certify that, to the best of my knowledge, the information provided on these forms is correct and accurate.

8. Person Responsible For Review and Integrity of Report:

(Print) Henry M. Hoffman

(Signature) Henry M. Hoffman

(Date) 1-27-12

T.E.S. FILER CITY STATION

II. CONTINUOUS MONITOR OPERATIONAL DATA

	# 1 OPACITY	# 2 OPACITY	INLET #1 SO2	INLET #2 SO2	STACK #1 SO2	STACK #2 SO2	STACK #1 NOx	STACK #2 NOx	STACK #1 CO	STACK #2 CO	INLET # 1 CO2	INLET # 2 CO2	STACK # 1 CO2	STACK # 2 CO2
1. MFG:	Durag, Inc.	Durag, Inc.	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹	T. E. I. ¹
2. MODEL NO:	D-R 290	D-R 290	43i	43i	43i	43i	42i	42i	48i	48i	410i	410i	410i	410i
3. SERIAL NO:	425692	425693	0622717879	0622717883	0622717877	0622717880	0623017966	0623017967	0622717887	0622717888	0622717873	0622717875	0622717869	0622717874
4. Basis for Gas Measurement (wet or dry)	N / A	N / A	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET
5. F-Factor Used	N / A	N / A	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	F _c ≈ 1,800 scf/mm Btu	N / A	N / A	N / A	N / A

¹ T. E. I. standards for Thermo Environmental Instruments, Inc.

6. F-Factor Method: Fuel Analyses and Method 19, Equation 19-15 and/or Method 19, Table 19-2. Please note that the fuel factors are unit specific and are based upon the relative amounts (on a heat input basis) of coal, wood, petroleum coke and tire-derived-fuel (TDF) that are fired within a given time period.

7. Ave. Time	6 Minute	6 Minute	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour
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8. Zero/Span Values														
ZERO	0 %	0 %	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 %	0 %	0 %	0 %
SPAN	45 %	45 %	2,000 PPM	2,000 PPM	H: 1,500 PPM ¹ L: 200 PPM ¹	H: 1,500 PPM ¹ L: 200 PPM ¹	500 PPM	500 PPM	500 PPM	500 PPM	20.0 %	20.0 %	20.0 %	20.0 %

¹ The span values for the SO₂ Stack CEMS were revised from 2,000 ppm for the high span and 500 ppm for the low span just prior to the September 2008 Part 75 certification tests. The revised high and low span values were determined in accordance with sections 2.1.1.3 and 2.1.1.4 of Appendix A to 40 CFR Part 75.

T.E.S. FILER CITY STATION

II. CONTINUOUS MONITOR OPERATIONAL DATA

9. Date of Last Performance Specification Test Passed	Monitoring System	RATA	7-Day Calibration Drift Test	Cycle-time Test	COMS Field Audit Test	COMS 168-hr Operational Test
	Boiler 1 Gas CEMS	08/23/2011	10/31/2006 (Stk SO ₂ = 09/25/08)	10/18/2006 (Stk SO ₂ = 10/03/08)	N/A	N/A
	Boiler 1 COMS	N/A	N/A	N/A	08/25/2011	10/26/2006
	Boiler 2 Gas CEMS	08/24/2011	10/31/2006 (Stk SO ₂ = 09/25/08)	10/23/2006 (Stk SO ₂ = 10/03/08)	N/A	N/A
	Boiler 2 COMS	N/A	N/A	N/A	08/25/2011	11/01/2006

10. Modification Since Last PST Date (10-06; 9-08)	# 1 OPACITY	# 2 OPACITY	INLET #1 SO2	INLET #2 SO2	STACK #1 SO2	STACK #2 SO2	STACK #1 NOx	STACK #2 NOx	STACK #1 CO	STACK #2 CO	INLET # 2 CO2	INLET # 2 CO2	STACK #1 CO2	STACK # 2 CO2
	NONE	NONE	NONE	NONE	NONE (Changed high & low span values)	NONE (Changed high & low span values)	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

11. Emission Limits (Averaging Period)	10 % (6-Min)	10 % (6-Min)	N / A	N / A	0.7 lb/mm Btu (24-Hr) 0.5 lb/mm Btu (30-Day)	0.7 lb/mm Btu (24-Hr) 0.5 lb/mm Btu (30-Day)	0.6 lb/mm Btu (30-Day)	0.6 lb/mm Btu (30-Day)	0.3 lb/mm Btu (24-Hour)	0.3 lb/mm Btu (24-Hour)	N / A	N / A	N / A	N / A
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T.E.S. FILER CITY STATION

III. MONITORING AND COMPLIANCE SUMMARY (per 40 CFR 60.51a(h))

	<u>YES</u>	<u>NO</u>	<u>REF.</u>
1. Were the required continuous monitoring systems calibrated, span, and drift checks or other periodic audits performed as specified?	<u>X</u>	<u> </u>	<u> </u>
2. Were the data used to show compliance obtained in accordance with approved methods and procedures of Subpart Da?	<u>X</u>	<u> </u>	<u> </u>
3. Are the data representative of plant performance?	<u>X</u>	<u> </u>	<u> </u>
4. Were the minimum data requirements met? If no, were they not met due to unavoidable errors?	<u>X</u>	<u> </u>	<u> </u>
5. Was compliance with the standards achieved during the reporting period?	<u> </u>	<u>X</u>	<u> </u>

Boiler #1

SO ₂ Stack Limit 0.7 lb/MMBTU 24 Hour	<u> </u>	<u>X</u>	<u> </u>
SO ₂ Stack Limit 0.5 lb/MMBTU 30 Day	<u>X</u>	<u> </u>	<u> </u>
SO ₂ 90% Reduction 30 Day	<u>X</u>	<u> </u>	<u> </u>
NO _x Stack Limit 0.6 lb/MMBTU 30 Day	<u>X</u>	<u> </u>	<u> </u>
Opacity Limit >10% 6 Minute Average	<u> </u>	<u>X</u>	<u> </u>

Boiler #2

SO ₂ Stack Limit 0.7 lb/MMBTU 24 Hour	<u> </u>	<u>X</u>	<u> </u>
SO ₂ Stack Limit 0.5 lb/MMBTU 30 Day	<u>X</u>	<u> </u>	<u> </u>
SO ₂ 90% Reduction 30 Day	<u>X</u>	<u> </u>	<u> </u>
NO _x Stack Limit 0.6 lb/MMBTU 30 Day	<u>X</u>	<u> </u>	<u> </u>
Opacity Limit >10% 6 Minute Average	<u> </u>	<u>X</u>	<u> </u>

T.E.S. FILER CITY STATION

V. EXCESS EMISSION REPORT - SO₂ AND NO_x

SO₂ EVENTS (30 Day Rolling Average Limit of 0.5 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

SO₂ EVENTS (24 Hour Average Limit of 0.7 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
10/06/2011 (5 Op Hrs)	1	1.2	Boiler startup (SU) following a routine maintenance outage; SO ₂ dry scrubber had to be bypassed to pre-warm the baghouse & maintain the required minimum inlet temperature.	Followed the Maintenance Management Plan (MMP); boiler & baghouse were brought up to full operating temp. as quickly as possible; scrubber was placed into service per manufacturer recommendations.
10/07/2011 (8 Op Hrs)	1	2.7	The continuing SU attempt from 10/06/11 was aborted due to a problem with the electrical generator exciter.	Followed the MMP; boiler & baghouse were brought up to full operating temp. as quickly as possible; scrubber was placed into and removed from service per manufacturer recommendations.
10/09/2011 (7 Op Hrs)	1	2.1	Aborted SU attempt after trying to make repairs to the electrical generator due to continued problems with the electrical generator exciter.	Followed the MMP; boiler & baghouse were brought up to full operating temp. as quickly as possible; scrubber was placed into and removed from service per manufacturer recommendations. Note: The SO ₂ emission rate after application of a diluent cap did not exceed the limit of 0.7 lb/mmBtu.
11/06/11 (11 Op Hrs)	1	2.4	Boiler SU following the necessary electrical generator exciter repairs.	Followed the MMP; boiler & baghouse were brought up to full operating temp. as quickly as possible; scrubber was placed into service per manufacturer recommendations.
11/07/2011 (21 Op Hrs)	1	2.4	SU from 11/06/11 had to be aborted due to problems with the automatic voltage regulator (AVR) controls, followed by an additional SU and shutdown (SD) sequence and a successful SU attempt.	Followed the MMP; boiler & baghouse were brought up to full operating temp. as quickly as possible; scrubber was placed into and removed from service per manufacturer recommendations.

T.E.S. FILER CITY STATION**SO₂ EVENTS (24 Hour Average Limit of 0.7 lb/MMBTU, Continued)**

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
11/07/2011 (11 Op Hrs)	2	1.2	SU on the afternoon of 11/07/11 had to be aborted due to problems with the AVR controls, followed by an additional successful SU attempt later in the afternoon.	Followed the Maintenance Management Plan (MMP); boiler & baghouse were brought up to full operating temp. as quickly as possible; scrubber was placed into and removed from service per manufacturer recommendations.

SO₂ EVENTS (30 Day Rolling Average Limit of SO₂ Percent Reduction: Limit=90%)

Date(s) Occurred	Boiler No.	Value (% removal)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

NO_x EVENTS (30 Day Rolling Average Limit of 0.60 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

OPACITY EVENTS (Excess Emission Notification >10%, 6-Min. Average, for ≥ 2 Hours)

Date(s) Occurred	Boiler No.	Value (% opacity)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

NOTE: All six minute periods during which the average opacity exceeds 10% are identified in the attached monthly "Excess Emissions Report" for Boiler #1 and Boiler #2.

T.E.S. FILER CITY STATION

VI. QUALITY ASSURANCE DATA

1a. OUT-OF-CONTROL ASSESSMENT INFORMATION

BOILER # 1

INLET CO2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717873	11/07/2011, Hr 06 thru Hr 09	Analyzer failed the daily calibration error test.	Analyzer was adjusted and a passing calibration error test was then completed.
TEI 410i – 0622717873	11/08/2011, Hr 01 thru Hr 12	Analyzer failed the daily calibration error test.	An automatic passing calibration error test was performed.
TEI 410i – 0622717873	11/08/2011, Hr 17 thru 11/09/2011, Hr 05	Analyzer failed the daily calibration error test.	Analyzer trouble shooting, followed by a passing calibration error test.
TEI 410i – 0622717873	11/10/2011, Hr 06 thru Hr 09	Analyzer failed the daily calibration error test.	Permeation tube was replaced and a passing calibration error test was then completed.
TEI 410i – 0622717873	11/11/2011, Hr 06 thru Hr 09	Analyzer failed the daily calibration error test.	Sampling system was cleaned and a passing calibration error test was then completed.
TEI 410i – 0622717873	11/11/2011, Hr 06 thru Hr 09	Analyzer failed the daily calibration error test.	An automatic passing calibration error test was performed.
TEI 410i – 0622717873	11/12/2011, Hr 11	Analyzer failed the daily calibration error test.	An automatic passing calibration error test was performed.
TEI 410i – 0622717873	11/14/2011, Hr 06 thru Hr 09	Analyzer failed the daily calibration error test.	Rebuilt inlet probe cross tube and a passing calibration error test was then completed.
TEI 410i – 0622717873	12/27/2011, Hr 00 thru Hr 05	Analyzer failed the daily calibration error test.	Analyzer was adjusted and a passing calibration error test was then completed.

STACK CO2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717869	12/27/2011, Hr 00 thru Hr 04	Analyzer failed the daily calibration error test.	Analyzer was adjusted and a passing calibration error test was then completed.

T.E.S. FILER CITY STATION
INLET SO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717879	11/07/2011, Hr 06 thru Hr 09	Analyzer failed the daily calibration error test.	An automatic passing calibration error test was performed.
TEI 43i – 0622717879	11/08/2011, Hr 01 thru Hr 12	Analyzer failed the daily calibration error test.	An automatic passing calibration error test was performed.
TEI 43i – 0622717879	11/10/2011, Hr 06 thru Hr 09	Analyzer failed the daily calibration error test.	Permeation tube was replaced and a passing calibration error test was then completed.
TEI 43i – 0622717879	11/11/2011, Hr 06 thru Hr 09	Analyzer failed the daily calibration error test.	Analyzer trouble shooting, followed by a passing calibration error test.
TEI 43i – 0622717879	11/11/2011, Hr 11	Analyzer failed the daily calibration error test.	Replaced sample probe cross tube, filters and O-rings, then conducted a passing calibration error test.
TEI 43i – 0622717879	11/12/2011, Hr 00 thru 01	Analyzer failed the daily calibration error test.	Changed the auto flow valve and a passing calibration error test was then completed.
TEI 43i – 0622717879	11/12/2011, Hr 11	Analyzer failed the daily calibration error test.	Changed the auto flow valve and a passing calibration error test was then completed.
TEI 43i – 0622717879	11/14/2011, Hr 06 thru Hr 09	Analyzer failed the daily calibration error test.	Rebuilt inlet probe cross tube and changed filters, followed by a passing calibration error test.
TEI 43i – 0622717879	12/27/2011, Hr 00 thru Hr 05	Analyzer failed the daily calibration error test.	Analyzer was adjusted and a passing calibration error test was then completed.

STACK SO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717877	12/18/2011, Hr 05 thru Hr 06	Analyzer failed the daily calibration error test.	Adjusted the regulator for Span Gas #6 and ran a passing calibration error test.
TEI 43i – 0622717877	12/19/2011, Hr 05 thru Hr 07	Analyzer failed the daily calibration error test.	Replaced the regulator for Span Gas #6 and ran a passing calibration error test.
TEI 43i – 0622717877	12/27/2011, Hr 00 thru Hr 04	Analyzer failed the daily calibration error test.	Analyzer was adjusted and a passing calibration error test was then completed.

T.E.S. FILER CITY STATION**STACK NO_x METER**

Meter	Date(s) Occurred	Description	Corrective Action
TEI 42i – 0623017966	12/27/2011, Hr 00 thru 04	Analyzer failed the daily calibration error test.	Analyzer was adjusted and a passing calibration error test was then completed.

OPACITY METER

Meter	Date(s) Occurred	Description	Corrective Action
D-R 290 – 425692	None	N / A	N / A

2a. Other operating days for which data has not been obtained (18 hrs) or excluded from calculation of average emission rates:

Boiler #1

Date(s) Occurred	Description	Corrective Action
None	N / A	N / A

3a. OUT-OF-CONTROL ASSESSMENT INFORMATION

Any Boiler 1 CEMS and COMS out-of-control (OOC) periods are generally associated with equipment replacements or excessive calibration drift (CD) error, and they are summarized in Section VI.1a of this report. During this quarter, there were no OOC periods associated with Relative Accuracy Test Audits (RATAs), Cylinder Gas Audits (CGAs) or Linearity Tests. However, there were several OOC period for various gas analyzers during this quarter (associated with excessive calibration error drift). Descriptions of the cause(s) of these OOC periods are contained in Section VI.1a of this report.

When applicable, the duration of each OOC period or other periods of downtime are summarized in the quarterly report document titled "Downtime Report". The information provided in Section VI.1a of this report provides a summary of the OOC period corrective actions. When required, the corrective actions result in the CDs (or relative accuracies) being within the allowed limits.

T.E.S. FILER CITY STATION**1b. OUT-OF-CONTROL ASSESSMENT INFORMATION****BOILER # 2****INLET CO₂ METER**

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717875	None	N / A	N / A

STACK CO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717874	None	N / A	N / A

INLET SO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717883	None	N / A	N / A

STACK SO₂ METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717880	None	N / A	N / A

T.E.S. FILER CITY STATION**STACK NO_x METER**

Meter	Date(s) Occurred	Description	Corrective Action
TEI 42i – 0623017967	None	N / A	N / A

OPACITY METER

Meter	Date(s) Occurred	Description	Corrective Action
D-R 290 – 425693	None	N / A	N / A

2b. Other operating days for which data has not been obtained (18 hrs) or excluded from calculation of average emission rates:

Boiler #2

Date(s) Occurred	Description	Corrective Action
None	N / A	N / A

3b. OUT-OF-CONTROL ASSESSMENT INFORMATION

Any Boiler 2 CEMS and COMS out-of-control (OOC) periods are generally associated with equipment replacements or excessive calibration drift (CD) error, and they are summarized in Section VI.1b of this report. During this quarter, there were no OOC periods associated with Relative Accuracy Test Audits (RATAs), Cylinder Gas Audits (CGAs), Linearity Tests or CD error tests.

When applicable, the duration of each OOC period or other periods of downtime are summarized in the quarterly report document titled "Downtime Report". The information provided in Section VI.1b of this report provides a summary of the OOC period corrective actions. When required, the corrective actions result in the CDs (or relative accuracies) being within the allowed limits.

T.E.S. FILER CITY STATION

4. Full Scale Exceedance: Identification of times when pollutant concentration exceeds full span of the continuous monitoring system.

Date(s) Occurred	Boiler No.	Description	Corrective Action
None	1	N / A	N / A
None	2	N / A	N / A

T.E.S. Filer City Station

Summary of Monthly and 12-Month Rolling C/D Charge Rates and C/D Characteristics

Calendar Month	Maximum Daily Firing Rate ¹ (tons)		Monthly Usage Rate ¹ (tons)		12-Month Rolling Usage Rate ¹ (tons)		12-Month Rolling % Painted Wood ²	12-Month Rolling % Painted Wood & Incidentals ²
	Boiler 1	Boiler 2	Boiler 1	Boiler 2	Boiler 1	Boiler 2		
Sep-09	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Oct-09	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Nov-09	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Dec-09	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Jan-10	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Feb-10	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Mar-10	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Apr-10	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
May-10	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Jun-10	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Jul-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Aug-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Sep-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Oct-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Nov-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Dec-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Jan-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Feb-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Mar-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Apr-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
May-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Jun-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Jul-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Aug-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Sep-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Oct-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Nov-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Dec-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%

¹ The charge rate of C/D materials to each boiler is estimated as 50% of the combined total charge rate for both boilers.

² The 12-month rolling percentages of painted wood and painted wood/incidentals are based upon a weighted average using all individual shipments received within the applicable 12-month rolling time period.

Limits: The charge rate of C/D materials in each boiler may not exceed 200,000 lbs (i.e. 100 tons) per steam generating unit operating day.

The 12-month rolling charge rate of C/D materials in each boiler may not exceed 18,282 tons per year.

The 12-month rolling average values of painted wood and painted wood & incidental non-wood materials may not exceed 1.5% and 2.5%, respectively.

**TES FILER CITY STATION
AIR EMISSION SUMMARY**

OCTOBER 2011

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU									NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
BOILER #1															
MONTH	14436 /	14442	99.96%	47.0 /	67.0	70.15%	67.0 /	67.0	100.00%	67.0 /	67.0	100.00%	67.0 /	67.0	100.00%
YTD			99.95%			99.00%			100.00%			100.00%			100.00%
BOILER #2															
MONTH	8010 /	8022	99.85%	55.0 /	55.0	100.00%	55.0 /	55.0	100.00%	55.0 /	55.0	100.00%	55.0 /	55.0	100.00%
YTD			99.76%			99.68%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH

24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING

ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

**TES FILER CITY STATION
AIR EMISSION SUMMARY**

NOVEMBER 2011

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU >90% SO2 REDUCTION LIMIT 30 DAY AVE									NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
BOILER #1															
MONTH	35214 /	35232	99.95%	552.0 /	584.0	94.52%	584.0 /	584.0	100.00%	584.0 /	584.0	100.00%	584.0 /	584.0	100.00%
YTD			99.95%			98.63%			100.00%			100.00%			100.00%
BOILER #2															
MONTH	33876 /	33888	99.96%	544.0 /	555.0	98.02%	555.0 /	555.0	100.00%	555.0 /	555.0	100.00%	555.0 /	555.0	100.00%
YTD			99.77%			99.54%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH

24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING

ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

**TES FILER CITY STATION
AIR EMISSION SUMMARY**

DECEMBER 2011

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE									NITROGEN OXIDES		
				<24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			<30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			>90% SO2 REDUCTION LIMIT 30 DAY AVE			<30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
MONTH	44640 /	44640	100.00%	717.0 /	717.0	100.00%	717.0 /	717.0	100.00%	717.0 /	717.0	100.00%	717.0 /	717.0	100.00%
YTD			99.96%			98.76%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
MONTH	44622 /	44640	99.96%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
YTD			99.79%			99.59%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH

24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING

ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

TES FILER CITY STATION AIR EMISSION SUMMARY

4th QUARTER 2011

	OPACITY			SULFUR DIOXIDE									NITROGEN OXIDES		
	<6 MINUTE AVE OF 10 %			<24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			<30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			>90% SO2 REDUCTION LIMIT 30 DAY AVE			<30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
OCT	14436 /	14442	99.96%	47.0 /	67.0	70.15%	67.0 /	67.0	100.00%	67.0 /	67.0	100.00%	67.0 /	67.0	100.00%
NOV	35214 /	35232	99.95%	552.0 /	584.0	94.52%	584.0 /	584.0	100.00%	584.0 /	584.0	100.00%	584.0 /	584.0	100.00%
DEC	44640 /	44640	100.00%	717.0 /	717.0	100.00%	717.0 /	717.0	100.00%	717.0 /	717.0	100.00%	717.0 /	717.0	100.00%
4 th Quarter	94290 /	94314	99.97%	1,316.0 /	1,368.0	96.20%	1,368.0 /	1,368.0	100.00%	1,368.0 /	1,368.0	100.00%	1,368.0 /	1,368.0	100.00%
YTD			99.96%			98.76%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
OCT	8010 /	8022	99.85%	55.0 /	55.0	100.00%	55.0 /	55.0	100.00%	55.0 /	55.0	100.00%	55.0 /	55.0	100.00%
NOV	33876 /	33888	99.96%	544.0 /	555.0	98.02%	555.0 /	555.0	100.00%	555.0 /	555.0	100.00%	555.0 /	555.0	100.00%
DEC	44622 /	44640	99.96%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
4 th Quarter	86508 /	86550	99.95%	1,343.0 /	1,354.0	99.19%	1,354.0 /	1,354.0	100.00%	1,354.0 /	1,354.0	100.00%	1,354.0 /	1,354.0	100.00%
YTD			99.79%			99.59%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH

24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING

ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

CEMS Daily Averages - 10/01/11 To 12/31/11

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Period: 10/01/11 00:00:00 To 12/31/11 23:59:59; Records = 92

Date	Operating Hours		NOx		SO2		SO2		SO2		Bir 1&2	
	CEMS		30-Day		24-Hr		30-Day		30-Day		SO2	
			lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	Tons	Vld
10/01/11	24		0.423	30	0.180	24	0.192	30	91.85	30	1.62	24
10/02/11	23		0.423	30	0.226	23	0.192	30	91.85	30	2.11	24
10/03/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	07
10/04/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/05/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/06/11	5		0.423	30	1.154	05	0.192	30	91.85	30	0.00	05
10/07/11	8		0.423	30	2.667	08	0.192	30	91.85	30	0.00	08
10/08/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/09/11	7		0.423	30	2.073	06	0.192	30	91.85	30	0.00	06
10/10/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/11/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/12/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/13/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/14/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/15/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/16/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/17/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/18/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/19/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/20/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/21/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/22/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/23/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/24/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/25/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/26/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/27/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/28/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/29/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/30/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
10/31/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
11/01/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
11/02/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
11/03/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
11/04/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00
11/05/11	0		0.423	30	0.000	00	0.192	30	91.85	30	0.00	00

Date	Operating Hours		NOx		SO2		SO2		SO2		Bir 1&2	
	CEMS		30-Day		24-Hr		30-Day		30-Day		SO2	
			lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	Tons	Vld
11/06/11	11		0.423	30	2.404	10	0.192	30	91.85	30	0.00	10
11/07/11	21		0.423	30	2.391	21	0.192	30	91.85	30	1.87	22
11/08/11	24		0.422	30	0.363	24	0.199	30	91.81	29	2.74	24
11/09/11	24		0.419	30	0.206	24	0.201	30	91.77	28	2.09	24
11/10/11	24		0.416	30	0.176	24	0.200	30	91.77	28	1.33	24
11/11/11	24		0.413	30	0.221	24	0.201	30	91.68	27	1.54	24
11/12/11	24		0.409	30	0.202	24	0.202	30	91.63	26	2.02	24
11/13/11	24		0.406	30	0.172	24	0.201	30	91.65	26	1.78	24
11/14/11	24		0.403	30	0.119	24	0.199	30	91.71	25	1.26	24
11/15/11	24		0.401	30	0.147	24	0.199	30	91.69	25	1.53	24
11/16/11	24		0.399	30	0.152	24	0.198	30	91.72	25	1.42	24
11/17/11	24		0.396	30	0.188	24	0.197	30	91.72	25	1.82	24
11/18/11	24		0.394	30	0.171	24	0.197	30	91.77	25	1.65	24
11/19/11	24		0.392	30	0.188	24	0.194	30	91.91	25	1.73	24
11/20/11	24		0.390	30	0.172	24	0.194	30	91.92	25	1.74	24
11/21/11	24		0.388	30	0.178	24	0.194	30	91.91	25	1.64	24
11/22/11	24		0.387	30	0.203	24	0.194	30	91.89	25	1.83	24
11/23/11	24		0.386	30	0.319	24	0.198	30	91.70	25	2.28	24
11/24/11	24		0.384	30	0.148	24	0.197	30	91.77	25	1.41	24
11/25/11	24		0.382	30	0.151	24	0.195	30	91.85	25	1.33	24
11/26/11	24		0.379	30	0.169	24	0.194	30	91.88	25	1.40	24
11/27/11	24		0.376	30	0.195	24	0.194	30	91.87	25	1.76	24
11/28/11	24		0.374	30	0.182	24	0.192	30	91.96	25	1.76	24
11/29/11	24		0.372	30	0.228	24	0.195	30	91.86	25	1.94	24
11/30/11	24		0.370	30	0.153	24	0.194	30	91.89	25	1.37	24
12/01/11	24		0.368	30	0.168	24	0.194	30	91.91	25	1.59	24
12/02/11	24		0.365	30	0.147	24	0.193	30	91.96	25	1.44	24
12/03/11	24		0.363	30	0.188	24	0.192	30	92.07	25	1.85	24
12/04/11	24		0.360	30	0.150	24	0.189	30	92.21	25	1.42	24
12/05/11	24		0.358	30	0.163	24	0.187	30	92.31	25	1.55	24
12/06/11	24		0.355	30	0.178	24	0.186	30	92.33	25	1.73	24
12/07/11	24		0.352	30	0.193	24	0.186	30	92.29	25	1.72	24
12/08/11	24		0.349	30	0.156	24	0.179	30	92.31	26	1.46	24
12/09/11	24		0.349	30	0.180	24	0.179	30	92.27	27	1.74	24
12/10/11	24		0.349	30	0.198	24	0.179	30	92.26	27	1.91	24
12/11/11	24		0.349	30	0.162	24	0.177	30	92.36	28	1.73	24
12/12/11	24		0.349	30	0.173	24	0.176	30	92.38	29	1.63	24
12/13/11	24		0.349	30	0.157	24	0.176	30	92.39	29	1.61	24
12/14/11	24		0.348	30	0.147	23	0.177	30	92.35	30	1.34	23
12/15/11	24		0.347	30	0.163	24	0.177	30	92.31	30	1.49	24

Date	Operating Hours		NOx		SO2		SO2		SO2		Blr 1&2	
	CEMS		30-Day		24-Hr		30-Day		30-Day		SO2	
			lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	Tons	Vld
12/16/11	24		0.347	30	0.163	24	0.178	30	92.27	30	1.46	24
12/17/11	24		0.347	30	0.129	24	0.176	30	92.33	30	1.27	24
12/18/11	24		0.346	30	0.156	22	0.175	30	92.34	30	1.34	22
12/19/11	24		0.346	30	0.201	20	0.176	30	92.31	30	1.53	20
12/20/11	24		0.347	30	0.168	24	0.175	30	92.30	30	1.74	24
12/21/11	24		0.347	30	0.127	24	0.174	30	92.35	30	1.23	24
12/22/11	24		0.345	30	0.162	24	0.172	30	92.40	30	1.58	24
12/23/11	24		0.344	30	0.230	24	0.169	30	92.57	30	2.13	24
12/24/11	24		0.344	30	0.223	24	0.172	30	92.52	30	2.20	24
12/25/11	21		0.344	30	0.390	21	0.172	30	92.52	30	2.44	24
12/26/11	0		0.344	30	0.000	00	0.172	30	92.52	30	1.10	24
12/27/11	24		0.343	30	0.226	19	0.174	30	92.48	29	1.95	19
12/28/11	24		0.343	30	0.292	24	0.178	30	92.38	29	2.58	24
12/29/11	24		0.342	30	0.248	24	0.180	30	92.36	29	2.38	24
12/30/11	24		0.341	30	0.209	24	0.181	30	92.36	29	1.98	24
12/31/11	24		0.339	30	0.166	24	0.179	30	92.48	29	1.69	24

CEMS Daily Averages - 10/01/11 To 12/31/11

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Period: 10/01/11 00:00:00 To 12/31/11 23:59:59; Records = 92

Date	Operating Hours		NOx		SO2		SO2		SO2	
	CEMS		30-Day	Vld	24-Hr	Vld	30-Day	Vld	30-Day	% Red. Vld
10/01/11	24		0.369	30	0.156	24	0.189	30	92.07	30 0.00
10/02/11	24		0.368	30	0.232	24	0.190	30	92.07	30 0.00
10/03/11	7		0.368	30	0.440	07	0.190	30	92.07	30 0.00
10/04/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/05/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/06/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/07/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/08/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/09/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/10/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/11/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/12/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/13/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/14/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/15/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/16/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/17/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/18/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/19/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/20/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/21/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/22/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/23/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/24/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/25/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/26/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/27/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/28/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/29/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/30/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
10/31/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
11/01/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
11/02/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
11/03/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
11/04/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00
11/05/11	0		0.368	30	0.000	00	0.190	30	92.07	30 0.00

Date	Operating Hours	NOx		SO2		SO2		SO2		
	CEMS	30-Day	Vld	24-Hr	Vld	30-Day	Vld	30-Day	% Red.	
11/06/11	0	0.368	30	0.000	00	0.190	30	92.07	30	0.00
11/07/11	11	0.368	30	1.176	11	0.190	30	92.07	30	0.00
11/08/11	24	0.368	30	0.342	24	0.196	30	91.88	30	0.00
11/09/11	24	0.367	30	0.241	24	0.198	30	91.80	30	0.00
11/10/11	22	0.367	30	0.133	22	0.198	30	91.80	30	0.00
11/11/11	18	0.367	30	0.336	18	0.198	30	91.80	30	0.00
11/12/11	24	0.366	30	0.229	24	0.200	30	91.69	30	0.00
11/13/11	24	0.364	30	0.209	24	0.199	30	91.70	30	0.00
11/14/11	24	0.363	30	0.154	24	0.197	30	91.75	30	0.00
11/15/11	24	0.362	30	0.180	24	0.195	30	91.81	30	0.00
11/16/11	24	0.361	30	0.154	24	0.194	30	91.84	30	0.00
11/17/11	24	0.360	30	0.201	24	0.194	30	91.81	30	0.00
11/18/11	24	0.361	30	0.184	24	0.195	30	91.79	30	0.00
11/19/11	24	0.360	30	0.188	24	0.194	30	91.79	30	0.00
11/20/11	24	0.360	30	0.200	24	0.195	30	91.75	30	0.00
11/21/11	24	0.360	30	0.171	24	0.196	30	91.72	30	0.00
11/22/11	24	0.359	30	0.191	24	0.197	30	91.71	30	0.00
11/23/11	24	0.359	30	0.176	24	0.197	30	91.72	30	0.00
11/24/11	24	0.358	30	0.155	24	0.196	30	91.75	30	0.00
11/25/11	24	0.357	30	0.139	24	0.194	30	91.84	30	0.00
11/26/11	24	0.357	30	0.134	24	0.191	30	91.94	30	0.00
11/27/11	24	0.357	30	0.186	24	0.191	30	91.95	30	0.00
11/28/11	24	0.357	30	0.194	24	0.191	30	91.94	30	0.00
11/29/11	24	0.357	30	0.192	24	0.190	30	92.00	30	0.00
11/30/11	24	0.357	30	0.144	24	0.189	30	92.07	30	0.00
12/01/11	24	0.357	30	0.175	24	0.188	30	92.11	30	0.00
12/02/11	24	0.356	30	0.158	24	0.189	30	92.09	30	0.00
12/03/11	24	0.356	30	0.209	24	0.191	30	92.06	30	0.00
12/04/11	24	0.355	30	0.156	24	0.188	30	92.17	30	0.00
12/05/11	24	0.355	30	0.165	24	0.188	30	92.21	30	0.00
12/06/11	24	0.355	30	0.185	24	0.187	30	92.21	30	0.00
12/07/11	24	0.354	30	0.176	24	0.186	30	92.25	30	0.00
12/08/11	24	0.354	30	0.154	24	0.186	30	92.24	30	0.00
12/09/11	24	0.354	30	0.190	24	0.184	30	92.26	30	0.00
12/10/11	24	0.353	30	0.205	24	0.180	30	92.38	30	0.00
12/11/11	24	0.353	30	0.205	24	0.179	30	92.43	30	0.00
12/12/11	24	0.354	30	0.172	24	0.177	30	92.52	30	0.00
12/13/11	24	0.355	30	0.183	24	0.176	30	92.55	30	0.00
12/14/11	24	0.355	30	0.156	24	0.176	30	92.53	30	0.00
12/15/11	24	0.355	30	0.157	24	0.175	30	92.54	30	0.00

Date	Operating Hours		NOx		SO2		SO2		SO2		
	CEMS		30-Day		24-Hr		30-Day		30-Day		
			lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	
12/16/11	24		0.356	30	0.143	24	0.175	30	92.53	30	0.00
12/17/11	24		0.355	30	0.136	24	0.173	30	92.59	30	0.00
12/18/11	24		0.355	30	0.149	24	0.171	30	92.63	30	0.00
12/19/11	24		0.355	30	0.196	24	0.172	30	92.60	30	0.00
12/20/11	24		0.356	30	0.208	24	0.172	30	92.56	30	0.00
12/21/11	24		0.356	30	0.136	24	0.171	30	92.58	30	0.00
12/22/11	24		0.355	30	0.170	24	0.170	30	92.60	30	0.00
12/23/11	24		0.354	30	0.218	24	0.171	30	92.57	30	0.00
12/24/11	24		0.354	30	0.238	24	0.174	30	92.51	30	0.00
12/25/11	24		0.354	30	0.327	24	0.181	30	92.33	30	0.00
12/26/11	24		0.353	30	0.212	24	0.183	30	92.26	30	0.00
12/27/11	24		0.353	30	0.245	24	0.185	30	92.24	30	0.00
12/28/11	24		0.353	30	0.250	24	0.187	30	92.22	30	0.00
12/29/11	24		0.351	30	0.252	24	0.189	30	92.20	30	0.00
12/30/11	24		0.350	30	0.208	24	0.191	30	92.14	30	0.00
12/31/11	24		0.349	30	0.191	24	0.192	30	92.14	30	0.00

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 Opacity

Emission Limitation: 10

Reporting Period Dates: From 10/01/2011 To 12/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/25/11

Total Source Operating Time in Reporting Period: 15719 periods

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	13	0.08
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	13	0.08

Durations in 6-minute periods

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	2	0.01
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	2	0.01
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	4	0.03

Durations in 6-minute periods

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice
NAME

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1-30-12
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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 1 NOx lb/mmBtu 30-Day
Emission Limitation: 0.60
Reporting Period Dates: From 10/01/2011 To 12/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/23/11

Total Source Operating Time in Reporting Period: 1368 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	5	0.37
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	5	0.37

Durations in hours

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 1 SO2 lb/mmBtu 24-Hr
Emission Limitation: 0.7
Reporting Period Dates: From 10/01/2011 To 12/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/23/11

Total Source Operating Time in Reporting Period: 1368 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	10	0.73
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	10	0.73

Durations in hours

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	52	3.80
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	52	3.80

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 1 SO2 lb/mmBtu 30-Day
Emission Limitation: 0.5
Reporting Period Dates: From 10/01/2011 To 12/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/23/11

Total Source Operating Time in Reporting Period: 1368 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	10	0.73
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	10	0.73

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time / Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions / Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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<u>Jason M. Prantice</u>	<u>Jason M. Prantice</u>	<u>Env. Planner</u>	<u>1-30-12</u>
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 1 SO2 Reduction 30-Day
Emission Limitation: 90
Reporting Period Dates: From 10/01/2011 To 12/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/23/11

Total Source Operating Time in Reporting Period: 1368 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	70	5.12
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	70	5.12

Durations in hours

(1) % Unavailable is calculated by the following formula:

$$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$$

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$$

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Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boilers Total SO2 Tons

Emission Limitation: 6.45

Reporting Period Dates: From 10/01/2011 To 12/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boilers

Date of Last CEMS Certification or Audit: 08/24/11

Total Source Operating Time in Reporting Period: 1404 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	10	0.71
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	10	0.71

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time / Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions / Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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1-30-12
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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 1 CO lb/mmBtu 24-Hr
Emission Limitation: 0.300
Reporting Period Dates: From 10/01/2011 To 12/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/23/11

Total Source Operating Time in Reporting Period: 1368 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	5	0.37
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	5	0.37

Durations in hours

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	% Excess Emissions(2)	
	Duration	
1. Startup/Shutdown	24	1.75
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	24	1.75

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

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1-30-12
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Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 CO lb/hr 24-Hr

Emission Limitation: 115.2

Reporting Period Dates: From 10/01/2011 To 12/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/23/11

Total Source Operating Time in Reporting Period: 1368 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	5	0.37
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	4	0.29
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	9	0.66

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time / Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	% Excess Emissions(2)	
	Duration	
1. Startup/Shutdown	56	4.09
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	56	4.09

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions / Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 Opacity

Emission Limitation: 10

Reporting Period Dates: From 10/01/2011 To 12/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 08/25/11

Total Source Operating Time in Reporting Period: 14425 periods

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	13	0.09
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	13	0.09

Durations in 6-minute periods

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time / Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	% Excess Emissions(2)	
	Duration	
1. Startup/Shutdown	2	0.01
2. Control Equip Problems	0	0.00
3. Process Problems	1	0.01
4. Other Known Causes	4	0.03
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	7	0.05

Durations in 6-minute periods

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions / Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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1-30-12
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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 NOx lb/mmBtu 30-Day
Emission Limitation: 0.60
Reporting Period Dates: From 10/01/2011 To 12/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 08/24/11

Total Source Operating Time in Reporting Period: 1354 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time / Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions / Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 SO₂ lb/mmBtu 24-Hr

Emission Limitation: 0.7

Reporting Period Dates: From 10/01/2011 To 12/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 08/24/11

Total Source Operating Time in Reporting Period: 1354 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time / Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	11	0.81
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	11	0.81

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions / Source Operating Time x 100

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1-30-12
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Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 2 SO2 lb/mmBtu 30-Day
Emission Limitation: 0.5
Reporting Period Dates: From 10/01/2011 To 12/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 08/24/11

Total Source Operating Time in Reporting Period: 1354 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	% Excess	
	Duration	Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice
NAME

Jason M. Prentice
SIGNATURE

Env. Planner
TITLE

1-30-12
DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance
Pollutant: Boiler 2 SO2 Reduction 30-Day
Emission Limitation: 90
Reporting Period Dates: From 10/01/2011 To 12/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 08/24/11

Total Source Operating Time in Reporting Period: 1354 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time / Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions / Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice
NAME

Jason M. Prentice
SIGNATURE

Env. Services
TITLE

1-30-12
DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 CO lb/mmBtu 24-Hr

Emission Limitation: 0.300

Reporting Period Dates: From 10/01/2011 To 12/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 08/24/11

Total Source Operating Time in Reporting Period: 1354 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

$\% \text{ Unavailable} = \text{CEMS Downtime during Source Operating Time} / \text{Source Operating Time} \times 100$

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	24	1.77
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	24	1.77

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

$\% \text{ Excess Emissions} = \text{Total Duration of Excess Emissions} / \text{Source Operating Time} \times 100$

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice
NAME

Jason M. Prentice
SIGNATURE

Env. Planner
TITLE

1-30-12
DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 CO lb/hr 24-Hr

Emission Limitation: 115.2

Reporting Period Dates: From 10/01/2011 To 12/31/2011

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 08/24/11

Total Source Operating Time in Reporting Period: 1354 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time / Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	19	1.40
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	23	1.70
2. Total duration of excess emissions.....	42	3.10

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions / Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice
NAME

Jason M. Prentice
SIGNATURE

Env. Planner
TITLE

1-30-12
DATE

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Opacity

Data in the Reporting Period: 10/01/11 to 12/31/11

Incid. No.	Start Date	End Date	Duration Periods	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	12/15/11 10:00:37	12/15/11 11:17:38	13	15=Preventative Maintenance	3=Quality Assurance Calibrations	

Total Downtime in the Reporting Period = 13 Periods , Data Availability for this Reporting Period = 99.92 %

Total Operating Time in the Reporting Period = 15719 Periods

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: NOx CEMS

Data in the Reporting Period: 10/01/11 to 12/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	12/27/11 00:00:38	12/27/11 04:59:39	5	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Unit #1 Down Recalibrated..

Total Downtime in the Reporting Period = 5 hours , Data Availability for this Reporting Period = 99.63 %

Total Operating Time in the Reporting Period = 1368 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 CEMS

Data in the Reporting Period: 10/01/11 to 12/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	12/18/11 05:00:36	12/18/11 06:59:36	2	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Adjusted Regulator for Span Gas #6
2	12/19/11 05:00:39	12/19/11 07:59:35	3	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Replaced Regulator for Span Gas #6
3	12/27/11 00:00:38	12/27/11 04:59:39	5	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Unit #1 down. Recalibrated.

Total Downtime in the Reporting Period = 10 hours , Data Availability for this Reporting Period = 99.27 %

Total Operating Time in the Reporting Period = 1368 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO #/MMBTU CEMS

Data in the Reporting Period: 10/01/11 to 12/31/11.

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	12/27/11 00:00:38	12/27/11 04:59:39	5	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Unit #1 Down. Recalibrated.

Total Downtime in the Reporting Period = 5 hours , Data Availability for this Reporting Period = 99.63 %

Total Operating Time in the Reporting Period = 1368 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO #/HOUR CEMS

Data in the Reporting Period: 10/01/11 to 12/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	10/09/11 14:00:39	10/09/11 14:59:39	1	98=Automatic Calibration	3=Quality Assurance Calibrations	
2	11/06/11 13:00:42	11/06/11 13:59:42	1	98=Automatic Calibration	3=Quality Assurance Calibrations	
3	12/14/11 16:00:39	12/14/11 16:59:39	1	98=Automatic Calibration	3=Quality Assurance Calibrations	
4	12/19/11 08:00:36	12/19/11 08:59:36	1	98=Automatic Calibration	3=Quality Assurance Calibrations	
5	12/27/11 00:00:38	12/27/11 04:59:39	5	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Unit #1 Down. Recalibrated.

Total Downtime in the Reporting Period = 9 hours , Data Availability for this Reporting Period = 99.34 %

Total Operating Time in the Reporting Period = 1368 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO2 Analyzer

Data in the Reporting Period: 10/01/11 to 12/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	12/27/11 00:00:38	12/27/11 04:59:39	5	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Unit #1 Down. Recalibrated.

Total Downtime in the Reporting Period = 5 hours , Data Availability for this Reporting Period = 99.63 %

Total Operating Time in the Reporting Period = 1368 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Flow Analyzer

Data in the Reporting Period: 10/01/11 to 12/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1368 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Inlet SO2 CEMS

Data in the Reporting Period: 10/01/11 to 12/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	10/09/11 14:00:39	10/09/11 14:59:39	1	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Aborted SU following generator repairs, process down
2	11/07/11 06:00:42	11/07/11 09:59:37	4	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	SU following AVR control issues, Auto cal completed
3	11/08/11 01:00:36	11/08/11 12:59:36	12	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Auto-cal run
4	11/08/11 14:00:38	11/09/11 08:59:39	19	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Shutdown for check-out, Auto-cal initiated. replaced
5	11/10/11 06:00:38	11/10/11 09:59:37	4	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Replaced permeation tube, Auto cal
6	11/11/11 06:00:36	11/11/11 09:59:38	4	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	check out analyzer, Auto-cal
7	11/11/11 11:00:37	11/11/11 11:59:37	1	12=Excess Drift Ancillary Analyzer	1=Monitor Equip Malfunctions	Replaced sample probe cross tube, filters, o-rings,
8	11/12/11 00:00:35	11/12/11 01:59:39	2	12=Excess Drift Ancillary Analyzer	1=Monitor Equip Malfunctions	Changed Auto Flow valve, performed cal
9	11/12/11 04:00:37	11/12/11 04:59:37	1	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Changed Auto Flow valve, performed cal
10	11/12/11 06:00:38	11/12/11 09:59:36	4	21=Blowback	1=Monitor Equip Malfunctions	Changed Auto Flow valve, performed cal
11	11/12/11 11:00:36	11/12/11 11:59:36	1	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Changed Auto Flow valve, performed cal
12	11/14/11 06:00:38	11/14/11 09:59:38	4	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Span failure, rebuilt inlet probe cross,changed filters,
13	11/14/11 11:00:38	11/14/11 11:59:38	1	15=Preventative Maintenance	1=Monitor Equip Malfunctions	Span failure, rebuilt inlet probe cross,changed filters,
14	11/15/11 16:00:38	11/15/11 17:59:38	2	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	unknown
15	12/27/11 00:00:38	12/27/11 05:59:36	6	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Unit #1 Down. Recalibrated.

Total Downtime in the Reporting Period = 66 hours , Data Availability for this Reporting Period = 95.18 %

Total Operating Time in the Reporting Period = 1368 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Inlet CO2 Analyzer

Data in the Reporting Period: 10/01/11 to 12/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	11/07/11 06:00:42	11/07/11 09:59:37	4	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Auto Cal followed by Manual Cal, adjusted coefficient
2	11/08/11 01:00:36	11/08/11 12:59:36	12	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Performed auto cal
3	11/08/11 17:00:39	11/09/11 05:59:36	13	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	shutdown inlet to check out SO2 analyzer, initiated
4	11/10/11 06:00:38	11/10/11 09:59:37	4	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Shutdown to replace permeation tube,initiated Auto-Cal
5	11/11/11 06:00:36	11/11/11 09:59:38	4	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Cleaned sample system, Auto-cal
6	11/12/11 06:00:38	11/12/11 09:59:36	4	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Initiated Auto-cal
7	11/12/11 11:00:36	11/12/11 11:59:36	1	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Initiated Auto-Cal
8	11/14/11 06:00:38	11/14/11 09:59:38	4	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Rebuilt inlet probe cross tree
9	11/14/11 11:00:38	11/14/11 11:59:38	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Replaced filters, general pm
10	12/27/11 00:00:38	12/27/11 05:59:36	6	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Unit #1 down. Recalibrated.

Total Downtime in the Reporting Period = 53 hours , Data Availability for this Reporting Period = 96.13 %

Total Operating Time in the Reporting Period = 1368 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Opacity

Data in the Reporting Period: 10/01/11 to 12/31/11

Incid. No.	Start Date	End Date	Duration Periods	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	12/15/11 10:06:39	12/15/11 11:23:39	13	15=Preventative Maintenance	3=Quality Assurance Calibrations	MSI working on Quarterly PM'S.

Total Downtime in the Reporting Period = 13 Periods , Data Availability for this Reporting Period = 99.91 %

Total Operating Time in the Reporting Period = 14425 Periods

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: NOx CEMS

Data in the Reporting Period: 10/01/11 to 12/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1354 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 CEMS

Data in the Reporting Period: 10/01/11 to 12/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1354 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO #/MMBTU CEMS

Data in the Reporting Period: 10/01/11 to 12/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1354 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler2

Parameter: CO #/HOUR CEMS

Data in the Reporting Period: 10/01/11 to 12/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1354 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO2 Analyzer

Data in the Reporting Period: 10/01/11 to 12/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1354 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Flow Analyzer

Data in the Reporting Period: 10/01/11 to 12/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1354 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Inlet SO2 CEMS

Data in the Reporting Period: 10/01/11 to 12/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1354 hours

Downtime Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Inlet CO2 Analyzer

Data in the Reporting Period: 10/01/11 to 12/31/11

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1354 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Opacity

Limit: 10

Data in the Reporting Period: 10/01/11 to 12/31/11

Inc No.	Start Date	End Date	Duration Periods	Emission Reading	EPA Category	Reason for Incident	Corrective Action
1	10/04/11 12:18:36	10/04/11 12:23:36	1	16	Startup/Shutdown	Boiler Offline-Maint	None Needed
2	11/07/11 15:00:37	11/07/11 15:05:37	1	11	Startup/Shutdown	Boiler Startup	Env Tech called
3	11/29/11 08:42:41	11/29/11 08:53:40	2	33	Other Known Causes	Atomizer #1 Changeout, Baghouse in	Atomizer Change-out complete

Total Duration in the Reporting Period = 4 Periods , Percentage of Operating Time above Excess Emission Limit = 0.03 %

Total Operating Time in the Reporting Period = 15719 Periods

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: NOx lb/mmBtu 30-Day

Limit: 0.60

Data in the Reporting Period: 10/01/11 to 12/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 1368 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 lb/mmBtu Daily Ave.

Data in the Reporting Period: 10/01/11 to 12/31/11

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	10/06/11 00:00:59	10/06/11 23:59:59	5	1.2	0.7	Startup/Shutdown	Aborted SU following routine maintenance	Followed MMP SU/SD procedures
2	10/07/11 00:00:59	10/07/11 23:59:59	8	2.7	0.7	Startup/Shutdown	Aborted SU following routine maintenance	Followed MMP SU/SD procedures
3	10/09/11 00:00:59	10/09/11 23:59:59	7	2.1	0.7	Startup/Shutdown	Aborted SU following attempted electrical	Followed MMP SU/SD procedures
4	11/06/11 00:00:59	11/06/11 23:59:59	11	2.4	0.7	Startup/Shutdown	Aborted SU due to Automatic Voltage	Followed MMP SU/SD procedures
5	11/07/11 00:00:59	11/07/11 23:59:59	21	2.4	0.7	Startup/Shutdown	Aborted SU due to AVR controls followed	Followed MMP SU/SD procedures

Total Duration in the Reporting Period = 52 hours , Percentage of Operating Time above Excess Emission Limit = 3.80 %

Total Operating Time in the Reporting Period = 1368 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 lb/mmBtu 30-Day

Limit: 0.5

Data in the Reporting Period: 10/01/11 to 12/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 1368 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 Reduction 30-Day

Limit: 90

Data in the Reporting Period: 10/01/11 to 12/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 1368 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO lb/mmBtu 24-Hr Roll

Limit: 0.300

Data in the Reporting Period: 10/01/11 to 12/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
1	11/08/11 02:00:35	11/09/11 01:59:38	24	0.438	0.462	Startup/Shutdown	Boiler Startup	Followed MMP S/U procedures

Total Duration in the Reporting Period = 24 hours , Percentage of Operating Time above Excess Emission Limit = 1.75 %

Total Operating Time in the Reporting Period = 1368 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO lb/hr 24-Hr Roll

Limit: 115.2

Data in the Reporting Period: 10/01/11 to 12/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
1	10/07/11 05:00:36	10/07/11 07:59:44	3	130.8	140.5	Startup/Shutdown	Aborted S/U following routine maintenance	Followed MMP SU/SD procedures
2	10/09/11 08:00:34	10/09/11 14:59:39	7	189.4	213.1	Startup/Shutdown	Aborted SU following attempted electrical	Followed MMP SU/SD procedures
3	11/06/11 13:00:42	11/07/11 02:59:38	14	269.3	293.8	Startup/Shutdown	Multiple SU/SD's following electrical turbine	Followed MMP SU/SD procedures
4	11/07/11 05:00:42	11/07/11 17:59:38	13	262.4	285.4	Startup/Shutdown	Multiple SU/SD's following electrical turbine	Followed MMP SU/SD procedures
5	11/07/11 19:00:37	11/08/11 13:59:35	19	201.7	244.1	Startup/Shutdown	Multiple SU/SD's following electrical turbine	Followed MMP SU/SD procedures

Total Duration in the Reporting Period = 56 hours , Percentage of Operating Time above Excess Emission Limit = 4.09 %

Total Operating Time in the Reporting Period = 1368 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Opacity

Limit: 10

Data in the Reporting Period: 10/01/11 to 12/31/11

Inc No.	Start Date	End Date	Duration Periods	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
1	10/03/11 05:24:42	10/03/11 05:35:37	2	15	16	Startup/Shutdown	Boiler Offline-Maint	None Needed
2	11/15/11 04:42:38	11/15/11 04:53:38	2	45	70	Other Known Causes	Atomizer change-out, Baghouse Bypass	Completed change-out
3	12/06/11 10:36:36	12/06/11 10:47:36	2	33	49	Other Known Causes	Atomizer change-out, Baghouse Bypass	Completed change-out
4	12/20/11 10:54:37	12/20/11 10:59:37	1	49	49	Process Problems	TWIP valve #5 trip	Brought boiler back online

Total Duration in the Reporting Period = 7 Periods , Percentage of Operating Time above Excess Emission Limit = 0.05 %

Total Operating Time in the Reporting Period = 14425 Periods

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: NOx lb/mmBtu 30-Day

Limit: 0.60

Data in the Reporting Period: 10/01/11 to 12/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 1354 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 lb/mmBtu Daily Ave.

Data in the Reporting Period: 10/01/11 to 12/31/11

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	11/07/11 00:00:59	11/07/11 23:59:59	11	1.2	0.7	Startup/Shutdown	Boiler Startup	Followed MMP procedures for startup

Total Duration in the Reporting Period = 11 hours , Percentage of Operating Time above Excess Emission Limit = 0.81 %

Total Operating Time in the Reporting Period = 1354 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 lb/mmBtu 30-Day

Limit: 0.5

Data in the Reporting Period: 10/01/11 to 12/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 1354 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 Reduction 30-Day

Limit: 90

Data in the Reporting Period: 10/01/11 to 12/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 1354 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO lb/mmBtu 24-Hr Roll

Limit: 0.300

Data in the Reporting Period: 10/01/11 to 12/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
1	11/08/11 02:00:36	11/09/11 01:59:36	24	0.389	0.404	Startup/Shutdown	Boiler Startup	Followed MMP procedure for startup

Total Duration in the Reporting Period = 24 hours , Percentage of Operating Time above Excess Emission Limit = 1.77 %

Total Operating Time in the Reporting Period = 1354 hours

Excess Emissions Report

Page 1 of 1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO lb/hr 24-Hr Roll

Limit: 115.2

Data in the Reporting Period: 10/01/11 to 12/31/11

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
1	11/07/11 22:00:36	11/08/11 20:59:39	23	142.8	154.9	Unknown Causes		
2	11/11/11 08:00:42	11/12/11 01:59:42	18	119.3	120.5	Startup/Shutdown	Aborted the startup due to leak in	Followed MMP SU/SD procedures
3	11/12/11 05:00:39	11/12/11 05:59:39	1	115.6	115.6	Startup/Shutdown	Startup following repairs to the	Followed MMP SU procedures

Total Duration in the Reporting Period = 42 hours , Percentage of Operating Time above Excess Emission Limit = 3.10 %

Total Operating Time in the Reporting Period = 1354 hours

Linearity Test Report - 2011Q4

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 NOx High Audit Test Results Analyzer Span: 500.00 ppm

Mfr & Model: Thermo 42I

Serial Number: 0623017966

Low-Level Calibration Gas
(20-30% of Span)
(100.00 ppm - 150.00 ppm)

Concentration: 125.50
Cylinder No.: CC89270
Expiration Date: 02/08/12

Vendor ID: B62011
Gas Type Code: NTRM

Mid-Level Calibration Gas
(50-60% of Span)
(250.00 ppm - 300.00 ppm)

Concentration: 277.20
Cylinder No.: CC28632
Expiration Date: 02/08/12

Vendor ID: B62011
Gas Type Code: NTRM

High-Level Calibration Gas
(80-100% of Span)
(400.00 ppm - 500.00 ppm)

Concentration: 432.10
Cylinder No.: SG9150640BAL
Expiration Date: 01/21/13

Vendor ID: B62011
Gas Type Code: NTRM

Test Date: 12/13/11

Tester: Dave Duby

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	10:23:42	128.70	10:28:37	279.70	10:33:33	431.20
Run 2	10:55:37	126.20	11:00:38	275.80	11:05:41	426.40
Run 3	11:38:37	126.20	11:43:38	275.80	11:48:37	426.00
Avg. Monitor Response		127.033		277.100		427.867
Linearity Error		1.2		0.0		1.0
Absolute Difference		1.5		0.1		4.2
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS | Cal. Gas Concentration - Avg. Monitor Response |} \times 100}{\text{Cal. Gas Concentration}}$$

$$\text{Absolute Difference} = \text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

I have personally performed this linearity test according to the procedures outlined in CFR 40, Part 75 and attest that the recorded information on this document is true, accurate, and complete.

Signature: _____

Print Name: _____

Technician/Service Representative

Linearity Test Report - 2011Q4

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 SO2 Low Audit Test Results Analyzer Span: 200.00 ppm

Mfr & Model: Thermo 43i

Serial Number: 0622717877

Low-Level Calibration Gas
(20-30% of Span)
(40.000 ppm - 60.000 ppm)

Concentration: 48.700
Cylinder No.: CC89270
Expiration Date: 02/08/12

Vendor ID: B62011
Gas Type Code: NTRM

Mid-Level Calibration Gas
(50-60% of Span)
(100.00 ppm - 120.00 ppm)

Concentration: 111.20
Cylinder No.: CC28632
Expiration Date: 02/08/12

Vendor ID: B62011
Gas Type Code: NTRM

High-Level Calibration Gas
(80-100% of Span)
(160.00 ppm - 200.00 ppm)

Concentration: 178.10
Cylinder No.: SG9160640BAL
Expiration Date: 01/21/13

Vendor ID: B62011
Gas Type Code: NTRM

Test Date: 12/13/11

Tester: Dave Duby

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	10:23:42	49.900	10:28:37	112.80	10:33:33	179.40
Run 2	10:55:37	50.200	11:00:38	112.50	11:05:41	178.70
Run 3	11:38:37	49.700	11:43:38	113.20	11:48:37	177.30
Avg. Monitor Response		49.933		112.833		178.467
Linearity Error		2.5		1.5		0.2
Absolute Difference		1.2		1.6		0.4
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS | Cal. Gas Concentration - Avg. Monitor Response |} \times 100}{\text{Cal. Gas Concentration}}$$

$$\text{Absolute Difference} = \text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

I have personally performed this linearity test according to the procedures outlined in CFR 40, Part 75 and attest that the recorded information on this document is true, accurate, and complete.

Signature: _____

Print Name: _____

Technician/Service Representative

Linearity Test Report - 2011Q4

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 SO2 High Audit Test Results Analyzer Span: 1500.0 ppm

Mfr & Model: Thermo 43i

Serial Number: 0622717877

Low-Level Calibration Gas Concentration: 378.30
(20-30% of Span) Cylinder No.: CC81480
(300.00 ppm - 450.00 ppm) Expiration Date: 03/12/12

Vendor ID: B62011
Gas Type Code: NTRM

Mid-Level Calibration Gas Concentration: 832.70
(50-60% of Span) Cylinder No.: CC62032
(750.00 ppm - 900.00 ppm) Expiration Date: 02/09/13

Vendor ID: B62011
Gas Type Code: NTRM

High-Level Calibration Gas Concentration: 1350.0
(80-100% of Span) Cylinder No.: CC36374
(1200.0 ppm - 1500.0 ppm) Expiration Date: 10/03/14

Vendor ID: B62011
Gas Type Code: NTRM

Test Date: 12/13/11

Tester: Dave Duby

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	13:38:39	379.80	13:43:38	834.20	13:48:37	1340.6
Run 2	14:08:38	381.20	14:13:42	834.20	14:18:42	1340.6
Run 3	14:38:38	383.20	14:43:42	838.70	14:48:42	1341.6
Avg. Monitor Response		381.400		835.700		1340.93
Linearity Error		0.8		0.4		0.7
Absolute Difference		3.1		3.0		9.1
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}}{\text{Cal. Gas Concentration}} \times 100$$

$$\text{Absolute Difference} = \text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}$$

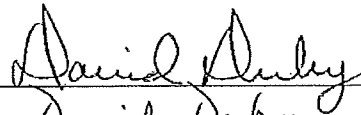
Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

I have personally performed this linearity test according to the procedures outlined in CFR 40, Part 75 and attest that the recorded information on this document is true, accurate, and complete.

Signature:



Print Name:

David Duby
Technician/Service Representative

CGA Test Report - 2011Q4

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 CO High Audit Test Results Analyzer Span: 2000.0 ppm

Mfr & Model: Thermo 48i

Serial Number: 0622717887

Low-Level Calibration Gas Concentration: 124.1
(20-30% of Span) Cylinder No.: CC89270
(400.0 ppm - 600.0 ppm) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 273.7
(50-60% of Span) Cylinder No.: CC28632
(1000.0 ppm - 1200.0 ppm) Expiration Date: 02/08/12

Test Date: 12/13/11

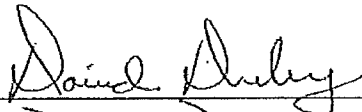
Tester: Dave Duby

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	10:23:42	124.2	10:28:37	273.4
Run 2	10:55:37	124.6	11:00:38	272.8
Run 3	11:38:37	124.6	11:43:38	274.6
Avg. Monitor Response		124.5		273.6
Calibration Error		0.3		0.0
Absolute Difference		0.4		0.1
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature:



Print Name:

David Duby

Technician/Service Representative

Linearity Test Report - 2011Q4

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 CO2 Audit Test Results Analyzer Span: 20.000 %

Mfr & Model: Thermo 410i

Serial Number: 0622717869

Low-Level Calibration Gas
(20-30% of Span)
(4.000 % - 6.000 %)

Concentration: 5.540
Cylinder No.: CC89270
Expiration Date: 02/08/12

Vendor ID: B62011
Gas Type Code: NTRM

Mid-Level Calibration Gas
(50-60% of Span)
(10.000 % - 12.000 %)

Concentration: 11.080
Cylinder No.: CC28632
Expiration Date: 02/08/12

Vendor ID: B62011
Gas Type Code: NTRM

High-Level Calibration Gas
(80-100% of Span)
(16.000 % - 20.000 %)

Concentration: 17.690
Cylinder No.: SG9150840BAL
Expiration Date: 01/21/13

Vendor ID: B62011
Gas Type Code: NTRM

Test Date: 12/13/11

Tester: Dave Duby

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	10:23:42	5.580	10:28:37	11.080	10:33:33	17.710
Run 2	10:55:37	5.580	11:00:38	11.100	11:05:41	17.700
Run 3	11:38:37	5.570	11:43:38	11.100	11:48:37	17.710
Avg. Monitor Response		5.577		11.093		17.707
Linearity Error		0.7		0.1		0.1
Absolute Difference		0.0		0.0		0.0
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS | Cal. Gas Concentration - Avg. Monitor Response |} \times 100}{\text{Cal. Gas Concentration}}$$

$$\text{Absolute Difference} = \text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

I have personally performed this linearity test according to the procedures outlined in CFR 40, Part 75 and attest that the recorded information on this document is true, accurate, and complete.

Signature: _____

Print Name: _____

Technician/Service Representative

CGA Test Report - 2011Q4

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 Inlet SO2 Audit Test Results Analyzer Span: 1500.0 ppm

Mfr & Model: Thermo 431

Serial Number: 0622717879

Low-Level Calibration Gas Concentration: 378.3
(20-30% of Span) Cylinder No.: CC81480
(300.0 ppm - 450.0 ppm) Expiration Date: 03/12/12

Mid-Level Calibration Gas Concentration: 832.7
(50-60% of Span) Cylinder No.: CC62032
(750.0 ppm - 900.0 ppm) Expiration Date: 02/09/13

Test Date: 12/14/11

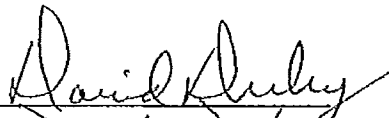
Tester: Dave Duby

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	10:23:39	379.8	10:29:39	835.1
Run 2	10:54:35	380.3	11:00:39	834.8
Run 3	11:39:35	380.7	11:45:40	833.4
Avg. Monitor Response		380.3		834.4
Calibration Error		0.5		0.2
Absolute Difference		2.0		1.7
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature:



Print Name:

David Duby

Technician/Service Representative

CGA Test Report - 2011Q4

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 Inlet CO2 Audit Test Results Analyzer Span: 20.00 %

Mfr & Model: Thermo 4101

Serial Number: 0622717873

Low-Level Calibration Gas Concentration: 5.54
(5.00% - 8.00%) Cylinder No.: CC81480
Expiration Date: 03/12/12

Mid-Level Calibration Gas Concentration: 11.09
(10.00% - 14.00%) Cylinder No.: CC62032
Expiration Date: 02/09/13

Test Date: 12/14/11

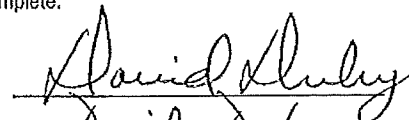
Tester: Dave Duby

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	10:23:39	5.59	10:29:39	11.10
Run 2	10:54:35	5.62	11:00:39	11.09
Run 3	11:39:35	5.58	11:45:40	11.03
Avg. Monitor Response		5.60		11.07
Calibration Error		1.1		-0.2
Absolute Difference		0.06		0.02
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature:



Print Name:

David Duby
Technician/Service Representative

Linearity Test Report - 2011Q4

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 NOx High Audit Test Results Analyzer Span: 500.00 ppm

Mfr & Model: Thermo 42i

Serial Number: 0823017967

Low-Level Calibration Gas
(20-30% of Span)
(100.00 ppm - 150.00 ppm)

Concentration: 125.50
Cylinder No.: CC89270
Expiration Date: 02/08/12

Vendor ID: B62011
Gas Type Code: NTRM

Mid-Level Calibration Gas
(50-60% of Span)
(250.00 ppm - 300.00 ppm)

Concentration: 277.20
Cylinder No.: CC28632
Expiration Date: 09/08/12

Vendor ID: B62011
Gas Type Code: NTRM

High-Level Calibration Gas
(80-100% of Span)
(400.00 ppm - 500.00 ppm)

Concentration: 432.10
Cylinder No.: SG9160640BAL
Expiration Date: 01/21/13

Vendor ID: B62011
Gas Type Code: NTRM

Test Date: 12/13/11

Tester: Dave Duby

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	12:22:42	126.90	12:27:42	278.00	12:32:38	427.50
Run 2	12:51:41	127.00	12:56:41	276.30	13:01:42	428.60
Run 3	13:22:42	126.60	13:27:42	275.70	13:32:45	427.30
Avg. Monitor Response		126.833		276.667		427.800
Linearity Error		1.1		0.2		1.0
Absolute Difference		1.3		0.5		4.3
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS | Cal. Gas Concentration - Avg. Monitor Response |} \times 100}{\text{Cal. Gas Concentration}}$$

$$\text{Absolute Difference} = \text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

I have personally performed this linearity test according to the procedures outlined in CFR 40, Part 75 and attest that the recorded information on this document is true, accurate, and complete.

Signature:

David Duby

Print Name:

David Duby

Technician/Service Representative

Linearity Test Report - 2011Q4

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 SO2 Low Audit Test Results Analyzer Span: 200.00 ppm

Mfr & Model: Thermo 43i

Serial Number: 0622717880

Low-Level Calibration Gas
(20-30% of Span)
(40.000 ppm - 60.000 ppm)

Concentration: 48.700
Cylinder No.: CC89270
Expiration Date: 02/08/12

Vendor ID: B62011
Gas Type Code: NTRM

Mid-Level Calibration Gas
(50-60% of Span)
(100.00 ppm - 120.00 ppm)

Concentration: 111.20
Cylinder No.: CC28632
Expiration Date: 02/08/12

Vendor ID: B62011
Gas Type Code: NTRM

High-Level Calibration Gas
(80-100% of Span)
(160.00 ppm - 200.00 ppm)

Concentration: 178.10
Cylinder No.: SG9160640BAL
Expiration Date: 01/21/13

Vendor ID: B62011
Gas Type Code: NTRM

Test Date: 12/13/11

Tester: Dave Duby

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	12:22:42	49.700	12:27:42	113.40	12:32:38	180.40
Run 2	12:51:41	49.800	12:56:41	112.50	13:01:42	177.50
Run 3	13:22:42	49.800	13:27:42	114.40	13:32:45	179.20
Avg. Monitor Response		49.767		113.433		179.033
Linearity Error		2.2		2.0		0.5
Absolute Difference		1.1		2.2		0.9
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS | Cal. Gas Concentration - Avg. Monitor Response |} \times 100}{\text{Cal. Gas Concentration}}$$

$$\text{Absolute Difference} = \text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

I have personally performed this linearity test according to the procedures outlined in CFR 40, Part 75 and attest that the recorded information on this document is true, accurate, and complete.

Signature:

David Duby

Print Name:

David Duby

Technician/Service Representative

Linearity Test Report - 2011Q4

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 SO2 High Audit Test Results Analyzer Span: 1500.0 ppm

Mfr & Model: Thermo 431

Serial Number: 0622717880

Low-Level Calibration Gas
(20-30% of Span)
(300.00 ppm - 450.00 ppm)

Concentration: 378.30
Cylinder No.: CC81480
Expiration Date: 03/12/12

Vendor ID: B62011
Gas Type Code: NTRM

Mid-Level Calibration Gas
(50-60% of Span)
(750.00 ppm - 900.00 ppm)

Concentration: 832.70
Cylinder No.: CC62032
Expiration Date: 02/09/13

Vendor ID: B62011
Gas Type Code: NTRM

High-Level Calibration Gas
(80-100% of Span)
(1200.0 ppm - 1500.0 ppm)

Concentration: 1350.0
Cylinder No.: CC36374
Expiration Date: 10/03/14

Vendor ID: B62011
Gas Type Code: NTRM

Test Date: 12/13/11

Tester: Dave Duby

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	14:22:42	382.10	14:27:38	837.20	14:32:42	1341.6
Run 2	14:53:39	382.50	14:58:38	839.10	15:03:38	1346.1
Run 3	15:22:42	384.80	15:27:43	839.10	15:32:47	1347.0
Avg. Monitor Response		383.133		838.467		1344.90
Linearity Error		1.3		0.7		0.4
Absolute Difference		4.8		5.8		5.1
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS | Cal. Gas Concentration - Avg. Monitor Response |} \times 100}{\text{Cal. Gas Concentration}}$$

$$\text{Absolute Difference} = \text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}$$


Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

I have personally performed this linearity test according to the procedures outlined in CFR 40, Part 75 and attest that the recorded information on this document is true, accurate, and complete.

Signature:



Print Name:

David Duby
Technician/Service Representative

CGA Test Report - 2011Q4

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 CO High Audit Test Results Analyzer Span: 2000.0 ppm

Mfr & Model: Thermo 481

Serial Number: 0622717888

Low-Level Calibration Gas Concentration: 124.1
(20-30% of Span) Cylinder No.: CC89270
(400.0 ppm - 600.0 ppm) Expiration Date: 02/08/12

Mid-Level Calibration Gas Concentration: 273.7
(50-60% of Span) Cylinder No.: CC28632
(1000.0 ppm - 1200.0 ppm) Expiration Date: 02/08/12

Test Date: 12/13/11

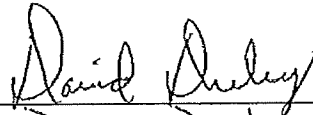
Tester: Dave Duby

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	12:22:42	124.0	12:27:42	271.6
Run 2	12:51:41	122.8	12:56:41	269.0
Run 3	13:22:42	124.0	13:27:42	271.0
Avg. Monitor Response		123.6		270.5
Calibration Error		-0.4		-1.2
Absolute Difference		0.5		3.2
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature:



Print Name:

David Duby

Technician/Service Representative

Linearity Test Report - 2011Q4

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 CO2 Audit Test Results Analyzer Span: 20.000 %

Mfr & Model: Thermo 410i

Serial Number: 0622717874

Low-Level Calibration Gas
(20-30% of Span)
(4.000 % - 6.000 %)

Concentration: 5.540
Cylinder No.: CC89270
Expiration Date: 02/08/12

Vendor ID: B62011
Gas Type Code: NTRM

Mid-Level Calibration Gas
(50-80% of Span)
(10.000 % - 12.000 %)

Concentration: 11.080
Cylinder No.: CC28632
Expiration Date: 02/08/12

Vendor ID: B62011
Gas Type Code: NTRM

High-Level Calibration Gas
(80-100% of Span)
(16.000 % - 20.000 %)

Concentration: 17.690
Cylinder No.: SG9160640BAL
Expiration Date: 01/21/13

Vendor ID: B62011
Gas Type Code: NTRM

Test Date: 12/13/11

Tester: Dave Duby

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	12:22:42	5.600	12:27:42	11.090	12:32:38	17.750
Run 2	12:51:41	5.600	12:56:41	11.070	13:01:42	17.700
Run 3	13:22:42	5.570	13:27:42	11.050	13:32:45	17.760
Avg. Monitor Response		5.590		11.070		17.737
Linearity Error		0.9		0.1		0.3
Absolute Difference		0.1		0.0		0.0
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS | Cal. Gas Concentration - Avg. Monitor Response |} \times 100}{\text{Cal. Gas Concentration}}$$

$$\text{Absolute Difference} = \text{ABS | Cal. Gas Concentration - Avg. Monitor Response |}$$

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm
Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %
Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

I have personally performed this linearity test according to the procedures outlined in CFR 40, Part 75 and attest that the recorded information on this document is true, accurate, and complete.

Signature:

Print Name:

Technician/Service Representative

CGA Test Report - 2011Q4

Facility Name: T.E.S. Filler City Station

Location: Filler City, MI

Blr 2 Inlet SO2 Audit Test Results Analyzer Span: 1500.0 ppm

Mfr & Model: Thermo 43i

Serial Number: 0622717883

Low-Level Calibration Gas Concentration: 378.3
(20-30% of Span) Cylinder No.: CC81480
(300.0 ppm - 450.0 ppm) Expiration Date: 03/12/12

Mid-Level Calibration Gas Concentration: 832.7
(50-60% of Span) Cylinder No.: CC82032
(750.0 ppm - 900.0 ppm) Expiration Date: 02/09/13

Test Date: 12/14/11

Tester: Dave Duby

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	10:44:40	384.9	10:50:36	834.5
Run 2	11:23:44	385.4	11:29:49	835.8
Run 3	11:54:40	384.0	12:00:43	833.2
Avg. Monitor Response		384.8		834.5
Calibration Error		1.7		0.2
Absolute Difference		6.5		1.8
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature:

David Duby

Print Name:

David Duby
Technician/Service Representative

CGA Test Report - 2011Q4

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 Inlet CO2 Audit Test Results Analyzer Span: 20.00 %

Mfr & Model: Thermo 4101

Serial Number: 0622717875

Low-Level Calibration Gas Concentration: 5.54
(5.00% - 8.00%) Cylinder No.: CC81480
Expiration Date: 03/12/12

Mid-Level Calibration Gas Concentration: 11.09
(10.00% - 14.00%) Cylinder No.: CC62032
Expiration Date: 02/09/13

Test Date: 12/14/11

Tester: Dave Duby

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	10:44:40	5.58	10:50:36	11.17
Run 2	11:23:44	5.59	11:29:49	11.15
Run 3	11:54:40	5.59	12:00:43	11.12
Avg. Monitor Response		5.59		11.15
Calibration Error		0.9		0.5
Absolute Difference		0.05		0.06
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response} - \text{Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: 
Print Name: David Duby
Technician/Service Representative

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Airgas Great Lakes, Inc.
2009 Bellaire Ave.
Royal Oak, MI 48067
Ph: (248) 399-9150
Fax: (248) 584-2540
<http://www.airgas.com>

Customer: K06 - CADILLAC
Part Number: E05NI94E15A3992
Cylinder Number: CC89270
Laboratory: MIC - Royal Oak-32 - MI
Analysis Date: Feb 08, 2010
Reference Number: 32-112020314-2
Cylinder Volume: 147 Cu.Ft.
Cylinder Pressure: 2015 PSIG
Valve Outlet: 660

Expiration Date: Feb 08, 2012

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig i.e. 1 Mega Pascal

ANALYTICAL RESULTS				
Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	50.00 PPM	48.70 PPM	G1	+/- 1% NIST Traceable
CARBON MONOXIDE	125.0 PPM	124.1 PPM	G1	+/- 1% NIST Traceable
NITRIC OXIDE	125.0 PPM	125.5 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	5.500 %	5.538 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

Total oxides of nitrogen 125.5 PPM For Reference Only

CALIBRATION STANDARDS				
Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	08061508	CC254776	94.67PPM SULFUR DIOXIDE/NITROGEN	Oct 15, 2012
NTRM	08060331	CC255637	250.0PPM CARBON MONOXIDE/NITROGEN	May 15, 2012
NTRM	09060614	CC262133	9.921% CARBON DIOXIDE/NITROGEN	Apr 10, 2013
NTRM	09060332	CC286985	250.6PPM NITRIC OXIDE/NITROGEN	Feb 01, 2011

ANALYTICAL EQUIPMENT		
Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 10% CO ₂ , Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 14, 2010
E/N 147, 500ppmFS CO, Horiba via-510	Nondispersive Infrared (NDIR)	Feb 01, 2010
E/N 54, 250ppmFS NO, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010
E/N 54, 100ppmFS SO ₂ , Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010

Triad Data Available Upon Request

Notes:



QA Approval

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Airgas Great Lakes, Inc.
2009 Bellaire Ave.
Royal Oak, MI 48067
Ph: (248) 399-9150
Fax: (248) 584-2540
http://www.airgas.com

Customer: K06 - CADILLAC
Part Number: E05NI88E15A3993
Cylinder Number: CC28632
Laboratory: MIC - Royal Oak-32 - MI
Analysis Date: Feb 08, 2010
Reference Number: 32-112020314-1
Cylinder Volume: 151 Cu.Ft.
Cylinder Pressure: 2015 PSIG
Valve Outlet: 660

Expiration Date: Feb 08, 2012

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig i.e. 1 Mega Pascal

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	110.0 PPM	111.2 PPM	G1	+/- 1% NIST Traceable
CARBON MONOXIDE	275.0 PPM	273.7 PPM	G1	+/- 1% NIST Traceable
NITRIC OXIDE	275.0 PPM	276.9 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	11.00 %	11.08 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

Total oxides of nitrogen 277.2 PPM For Reference Only

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	06060345	CC207589	490.0PPM NITRIC OXIDE/NITROGEN	Jan 01, 2016
NTRM	08061609	CC254807	247.0PPM SULFUR DIOXIDE/NITROGEN	Oct 15, 2012
NTRM	08060331	CC255637	250.0PPM CARBON MONOXIDE/NITROGEN	May 15, 2012
NTRM	97051201	SG9169482BAL	15.862% CARBON DIOXIDE/NITROGEN	May 01, 2010
NTRM	09060402	CC274097	501.3PPM CARBON MONOXIDE/NITROGEN	Feb 01, 2013

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 16% CO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 14, 2010
E/N 147, 500ppmFS CO, Horiba via-510	Nondispersive Infrared (NDIR)	Feb 01, 2010
E/N 54, 1000 ppmFS NO, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010
E/N 54, 250ppmFS SO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010

Triad Data Available Upon Request

Notes:

Antio M. R... / QA APPROVAL



IN SERVICE 12-1-11

Airgas Great Lakes, Inc.
2009 Bellaire Ave.
Royal Oak, MI 48067
Ph: (248) 399-9150
Fax: (248) 584-2540
<http://www.airgas.com>

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Customer: CADILLAC
Part Number: E05NI82E15A3991
Cylinder Number: SG9150640BAL
Laboratory: MIC - Royal Oak-32 - MI
Analysis Date: Jan 21, 2011
Reference Number: 32-112204703-1
Cylinder Volume: 155 Cu.Ft.
Cylinder Pressure: 2015 PSIG
Valve Outlet: 660

Expiration Date: Jan 21, 2013

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)", using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig, i.e. 1 Mega Pascal

ANALYTICAL RESULTS				
Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	180.0 PPM	178.1 PPM	G1	+/- 1% NIST Traceable
CARBON MONOXIDE	425.0 PPM	415.4 PPM	G1	+/- 1% NIST Traceable
NITRIC OXIDE	437.0 PPM	432.1 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	17.50 %	17.69 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

Total oxides of nitrogen 432.1 PPM For Reference Only

CALIBRATION STANDARDS				
Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	08061607	CC254797	247.0PPM SULFUR DIOXIDE/NITROGEN	Oct 15, 2012
NTRM	10060412	CC268000	495.6PPM NITRIC OXIDE/NITROGEN	Feb 01, 2016
NTRM	09060414	CC276112	501.3PPM CARBON MONOXIDE/NITROGEN	Feb 01, 2013
NTRM	04060410	XC034311B	19.84% CARBON DIOXIDE/NITROGEN	May 15, 2012

ANALYTICAL EQUIPMENT		
Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 20% FS CO ₂ , Nicolet 6700	Fourier Transform Infrared (FTIR)	Dec 21, 2010
E/N 173, 1500ppmFS CO, Siemens Ultramat 6	Nondispersive Infrared (NDIR)	Jan 03, 2011
E/N 54, 1000 ppmFS NO, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2011
E/N 54, 250ppmFS SO ₂ , Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2011

Triad Data Available Upon Request

Notes:

Approved for Release

Page 1 of 32-112204703-1

TESFiler0002030

Airgas

Airgas Great Lakes, Inc.
2009 Bellaire Ave.
Royal Oak, MI 48067
Ph: (248) 399-9150
Fax: (248) 584-2540
<http://www.airgas.com>

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Customer: CADILLAC
Part Number: E03NI94E15A3994
Cylinder Number: CC81480
Laboratory: MIC - Royal Oak-32 - MI
Analysis Date: Mar 12, 2010
Reference Number: 32-112037602-1
Cylinder Volume: 147 Cu.Ft.
Cylinder Pressure: 2015 PSIG
Valve Outlet: 660

Expiration Date: Mar 12, 2012

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig, i.e. 1 Mega Pascal

ANALYTICAL RESULTS				
Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	375.0 PPM	378.3 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	5.500 %	5.541 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			
CALIBRATION STANDARDS				
Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	07120306	CC240073	496.2PPM SULFUR DIOXIDE/NITROGEN	May 01, 2011
NTRM	09060614	CC262133	9.921% CARBON DIOXIDE/NITROGEN	Apr 10, 2013
ANALYTICAL EQUIPMENT				
Instrument/Make/Model	Analytical Principle			Last Multipoint Calibration
E/N 54, 10% CO2, Nicolet 6700	Fourier Transform Infrared (FTIR)			Feb 11, 2010
E/N 54, 1000ppmFS SO2, Nicolet 6700	Fourier Transform Infrared (FTIR)			Mar 08, 2010

Triad Data Available Upon Request

Notes:

AFM

Approved for Release

Airgas Great Lakes, Inc.
2009 Bellaire Ave.
Royal Oak, MI 48067
Ph: (248) 399-9150
Fax: (248) 584-2540
<http://www.airgas.com>

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Customer: CADILLAC
Part Number: E03NI88E15A0328
Cylinder Number: CC62032
Laboratory: MIC - Royal Oak-32 - MI
Analysis Date: Feb 09, 2010
Reference Number: 32-112020322-1
Cylinder Volume: 151 Cu.Ft.
Cylinder Pressure: 2015 PSIG
Valve Outlet: 660

Expiration Date: Feb 09, 2013

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig. I.e. 1 Mega Pascal

ANALYTICAL RESULTS				
Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	825.0 PPM	832.7 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	11.00 %	11.09 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS				
Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	06061228	CC206083	983.2PPM SULFUR DIOXIDE/NITROGEN	Sep 01, 2010
NTRM	97051201	SG9169482BAL	15.862% CARBON DIOXIDE/NITROGEN	May 01, 2010

ANALYTICAL EQUIPMENT		
Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 16% CO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 14, 2010
E/N 54, 1000ppmFS SO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010

Triad Data Available Upon Request

Notes:

AFM

QA Approval



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